

Diary

1916.

William Brewster,
145, Brattle Street,
Cambridge, Massachusetts,
U. S. A

(Should this diary be
lost, anyone finding and
returning it to the above
address would be suitably
rewarded for such trouble.).

THE
STANDARD

DIARY



FOR SALE BY ALL STATIONERS

PUBLISHED BY
THE STANDARD DIARY CO

FOR IDENTIFICATION.

My Name.....

My Residence.....

My Business Address.....

My Home Telephone.....

My Office Telephone.....

My Home Fire Alarm Box.....

My Office Fire Alarm Box.....

In case of accident or serious illness please notify.....

The make of my Automobile.....

Its Number.....

Number on case of my Watch.....

Number of the works.....

Number of my Bank Book.....

My Weight was.....On.....

Height.....feet.....inches.....

Size of Hat.....Gloves.....

" Hosiery.....Collar.....

" Cuffs.....Shoes.....

" Shirt.....Drawers.....

CALENDAR

1916

	JAN.							FEB.							MAR.							APRIL							MAY							JUNE							DEC.							NOV.							OCT.							SEPT.							AUG.							JULY													
	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.																												
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CALENDAR 1917

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
JAN.	7	8	9	10	11	12	13		1	2	3	4	5	6	7
	14	15	16	17	18	19	20		15	16	17	18	19	20	21
	21	22	23	24	25	26	27		22	23	24	25	26	27	28
	28	29	30	31					29	30	31				
FEB.	4	5	6	7	8	9	10		5	6	7	8	9	10	11
	11	12	13	14	15	16	17		12	13	14	15	16	17	18
	18	19	20	21	22	23	24		19	20	21	22	23	24	25
	25	26	27	28					26	27	28	29	30	31	
MAR.	4	5	6	7	8	9	10		2	3	4	5	6	7	8
	11	12	13	14	15	16	17		9	10	11	12	13	14	15
	18	19	20	21	22	23	24		16	17	18	19	20	21	22
	25	26	27	28	29	30	31		23	24	25	26	27	28	29
APRIL	1	2	3	4	5	6	7		30						
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	15	16	17	18	19	20	21		7	8	9	10	11	12	13
	22	23	24	25	26	27	28		14	15	16	17	18	19	20
	29	30							21	22	23	24	25	26	27
MAY			1	2	3	4	5		28	29	30	31			
	6	7	8	9	10	11	12						1	2	3
	13	14	15	16	17	18	19		4	5	6	7	8	9	10
	20	21	22	23	24	25	26		11	12	13	14	15	16	17
	27	28	29	30	31				18	19	20	21	22	23	24
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JUNE	3	4	5	6	7	8	9								
	10	11	12	13	14	15	16								
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									30	31					

RATES OF POSTAGE.

Official at time of printing. As changes are expected inquire at P. O.

United States and Possessions, Canada, Mexico, Cuba, and Shanghai, China.

First Class (letters, etc.)	per ounce	2c
Second " (newspapers, periodicals)	4 "	1c
Third " (all circulars and miscellaneous printed matter)	2 "	1c
Fourth " (merchandise, books, etc.) see Parcel Post		
Registration Fee (extra postage)		10c
Special Delivery (")		10c
Postal Cards (reply cards 2c)		1c
Local or Drop Letters (where no free delivery)	"	1c
Postal Savings Bank (inquire at P. O.)		

MONEY ORDERS.—For sums not exceeding \$2.50, 3 cents; over \$2.50 to \$5, 5 cents; over \$5 to \$10, 8 cents; over \$10 to \$20, 10 cents; over \$20 to \$30, 12 cents; over \$30 to \$40, 15 cents; over \$40 to \$50, 18 cents; over \$50 to \$60, 20 cents; over \$60 to \$75, 25 cents; over \$75 to \$100, 30 cents.

REFORWARDING.—Letters will be forwarded from one post office to another upon the *written* request of the *person addressed*, without additional charge; but unclaimed packages *cannot be returned to the sender* until stamps are furnished to pay the return postage.

PARCEL POST, for United States and Possessions. (Inquire at Post Office.)

Owing to frequent changes in rates, weights, etc., we deem it impracticable to attempt to give accurate information.

Postage to Foreign Countries.

Letters for Canada, Cuba, Mexico, British Isles, Newfoundland,	per ounce	2c
" for Germany (if sent by German steamer 2c per oz.)	"	5c
" for other countries	"	5c
	each additional ounce or fraction	3c
Postal cards (reply cards, 4c)		2c
Newspapers and printed matter	2 ounces	1c
Samples merchandise	first 4 "	2c
	every additional 2 "	1c
Commercial papers	first 10 ounces or fraction	5c
	every additional 2 ounces	1c
Registration Fee (extra postage)		10c
Reply Coupons (to prepay return letter) inquire at P. O.		
Parcels Post (inquire at P. O.)	per lb.	12c
Money Orders (inquire at P. O.)		

POPULATION OF THE UNITED STATES.

	1910	1900
Alabama.....	2,138,093	1,828,697
Arizona.....	204,354	122,931
Arkansas.....	1,574,449	1,311,564
California.....	2,377,549	1,485,053
Colorado.....	799,024	589,700
Connecticut.....	1,114,756	908,420
Delaware.....	202,322	184,735
Dist. of Columbia.....	331,069	278,718
Florida.....	752,619	528,542
Georgia.....	2,609,121	2,216,331
Idaho.....	325,594	161,772
Illinois.....	5,638,591	4,821,550
Indiana.....	2,700,876	2,516,462
Iowa.....	2,224,771	2,231,853
Kansas.....	1,690,949	1,470,495
Kentucky.....	2,289,905	2,147,174
Louisiana.....	1,656,388	1,381,625
Maine.....	742,371	694,466
Maryland.....	1,294,450	1,188,044
Massachusetts.....	3,366,416	2,805,346
Michigan.....	2,810,173	2,420,982
Minnesota.....	2,075,708	1,751,394
Mississippi.....	1,797,114	1,551,270
Missouri.....	3,293,335	3,106,665
Montana.....	376,053	243,329
Nebraska.....	1,192,214	1,066,300
Nevada.....	81,875	42,335
New Hampshire.....	430,572	411,688
New Jersey.....	2,537,167	1,883,669
New Mexico.....	327,396	195,310
New York.....	9,113,614	7,268,894
North Carolina.....	2,206,287	1,893,810
North Dakota.....	577,056	319,146
Ohio.....	4,767,121	4,157,545
Oklahoma.....	1,657,155	790,391
Oregon.....	672,765	413,536
Pennsylvania.....	7,665,111	6,302,115
Rhode Island.....	542,674	428,556
South Carolina.....	1,515,400	1,340,316
South Dakota.....	583,883	401,570
Tennessee.....	2,184,789	2,020,616
Texas.....	3,896,542	3,048,710
Utah.....	373,351	276,749
Vermont.....	355,956	343,641
Virginia.....	2,061,612	1,854,184
Washington.....	1,141,990	518,103
West Virginia.....	1,221,119	958,800
Wisconsin.....	2,333,860	2,069,042
Wyoming.....	145,965	92,531
Alaska.....	64,356	63,592
Hawaii.....	191,909	154,001
Porto Rico.....	1,118,012	953,243
Military and Naval.....	55,608	91,219
United States.....	93,401,414	77,256,630

POPULATION OF PRINCIPAL CITIES.

	1910	1900
Akron, O.....	69,067	42,728
Albany, N. Y.....	100,253	94,151
Allentown, Pa.....	51,913	35,416
Altoona, Pa.....	52,127	38,973
Atlanta, Ga.....	154,839	89,872
Atlantic City, N. J.....	44,461	27,838
Augusta, Ga.....	41,040	39,441
Baltimore, Md.....	568,485	508,957
Bay City, Mich.....	45,166	27,628
Bayonne, N. J.....	55,545	32,722
Binghamton, N.Y.....	48,443	39,647
Birmingham, Ala.....	132,685	38,415
Boston, Mass.....	670,585	560,892
Bridgeport, Conn.....	102,054	70,996
Brockton, Mass.....	56,878	40,063
Brooklyn, N.Y.....	1,634,351	1,166,582
Buffalo, N.Y.....	423,715	352,387
Butte, Mont.....	39,165	30,470
Cambridge, Mass.....	104,839	91,886
Camden, N. J.....	94,538	75,935
Canton, O.....	50,217	30,667
Charleston, S. C.....	58,833	55,807
Chattanooga, Tenn.....	44,604	30,154
Chelsea, Mass.....	32,452	34,072
Chester, Pa.....	38,537	33,988
Chicago, Ill.....	2,185,283	1,698,575
Cincinnati, O.....	364,463	326,902
Cleveland, O.....	560,663	381,768
Columbus, O.....	181,548	125,560
Council Bluffs, Ia.....	29,292	25,802
Covington, Ky.....	53,270	42,908
Dallas, Tex.....	42,104	42,638
Davenport, Ia.....	43,028	35,254
Dayton, O.....	116,577	85,333
Denver, Col.....	213,381	133,859
Des Moines, Ia.....	86,368	62,139
Detroit, Mich.....	465,766	285,704
Dubuque, Ia.....	38,494	36,297
Duluth, Minn.....	78,466	52,969
East St. Louis, Ill.....	58,547	29,655
Elizabeth, N. J.....	73,409	52,130
Elmira, N. Y.....	37,176	35,672
Erie, Pa.....	66,525	52,733
Evansville, Ind.....	69,647	59,007
Fall River, Mass.....	119,295	104,863
Fitchburg, Mass.....	37,826	31,531
Fort Wayne, Ind.....	63,933	45,115
Fort Worth, Tex.....	73,312	26,688
Galveston, Tex.....	36,981	37,789
Gloucester, Mass.....	24,398	26,121
Grand Rapids, Mich.....	112,571	87,565
Hamilton, O.....	35,279	23,914
Harrisburg, Pa.....	64,186	50,167
Hartford, Conn.....	98,915	79,850
Haverhill, Mass.....	44,115	37,175
Hoboken, N. J.....	70,324	59,364

POPULATION OF PRINCIPAL CITIES.—CONTINUED.

	1910	1900
Holyoke, Mass.	57,730	45,712
Houston, Tex.	78,800	44,633
Indianapolis, Ind.	233,650	169,164
Jackson, Mich.	31,433	25,180
Jacksonville, Fla.	57,699	28,429
Jersey City, N. J.	267,779	206,453
Johnstown, Pa.	55,482	35,936
Joliet, Ill.	34,670	29,353
Kalamazoo, Mich.	39,437	24,404
Kansas City, Kan.	82,331	51,418
Kansas City, Mo.	248,581	163,752
Knoxville, Tenn.	36,346	32,637
La Crosse, Wis.	30,417	28,895
Lancaster, Pa.	47,227	41,459
Lawrence, Mass.	35,892	62,559
Lexington, Ky.	35,099	26,369
Lincoln, Neb.	43,873	40,169
Little Rock, Ark.	45,941	38,307
Los Angeles, Cal.	319,198	102,479
Louisville, Ky.	223,028	204,731
Lowell, Mass.	106,294	94,969
Lynn, Mass.	89,336	68,513
Macon, Ga.	40,665	23,272
Madison, Wis.	25,531	19,164
Malden, Mass.	44,404	33,664
Manchester, N. H.	70,063	56,987
McKeesport, Pa.	42,694	34,227
Memphis, Tenn.	131,105	102,320
Meriden, Conn.	27,265	24,296
Milwaukee, Wis.	373,857	285,315
Minneapolis, Minn.	301,408	202,718
Mobile, Ala.	51,521	38,469
Montgomery, Ala.	38,136	30,346
Nashville, Tenn.	110,364	80,865
Newark, N. J.	347,469	246,070
New Bedford, Mass.	96,652	62,442
New Britain, Conn.	43,916	25,998
Newcastle, Pa.	28,339	28,339
New Haven, Conn.	133,605	108,027
New Orleans, La.	339,075	287,104
Newton, Mass.	39,806	33,587
New York, N. Y.	4,766,883	3,437,202
Niagara Falls, N. Y.	30,445	19,457
Norfolk, Va.	67,452	46,624
Oakland, Cal.	150,174	66,960
Oklahoma City, Okla.	64,205	10,037
Omaha, Neb.	124,096	102,555
Pasadena, Cal.	30,291	9,117
Passaic, N. J.	54,773	27,777
Patterson, N. J.	125,600	105,171
Pawtucket, R. I.	51,622	39,231
Peoria, Ill.	66,950	56,100
Perth Amboy, N. J.	32,121	17,699
Philadelphia, Pa.	1,549,008	1,293,697
Pittsburg and Allegheny, Pa.	533,905	451,512
Portland, Me.	58,571	50,145
Portland, Ore.	207,214	90,426

POPULATION OF PRINCIPAL CITIES.—CONTINUED.

	1910	1900
Providence, R. I.	224,326	175,597
Pueblo, Col.	44,395	28,157
Quincy, Ill.	36,587	36,252
Quincy, Mass.	32,642	23,899
Racine, Wis.	38,002	29,102
Reading, Pa.	96,071	78,961
Richmond, Va.	127,628	85,050
Rochester, N. Y.	218,149	162,608
Rockford, Ill.	45,401	31,051
Rutland, Vt.	13,546	11,499
Sacramento, Cal.	44,696	29,282
Saginaw, Mich.	50,510	42,345
Saint Joseph, Mo.	77,403	102,979
Saint Louis, Mo.	687,029	575,238
Saint Paul, Minn.	214,744	163,065
Salem, Mass.	43,697	35,956
Salt Lake City, Utah.	92,777	53,531
San Antonio, Tex.	96,614	53,321
San Diego, Cal.	39,578	17,700
San Francisco, Cal.	416,912	342,782
San Jose, Cal.	28,946	21,500
Savannah, Ga.	65,064	54,244
Schenectady, N. Y.	72,826	31,682
Scranton, Pa.	129,867	102,026
Seattle, Wash.	237,194	80,671
Sioux City, Ia.	47,828	33,111
Somerville, Mass.	77,236	61,643
South Bend, Ind.	53,684	35,999
Spokane, Wash.	104,402	36,848
Springfield, Ill.	51,678	34,159
Springfield, Mass.	88,926	62,059
Springfield, O.	46,921	38,253
Superior, Wis.	40,384	*36,551
Syracuse, N. Y.	137,249	108,374
Tacoma, Wash.	83,743	37,714
Tampa, Fla.	37,782	15,839
Taunton, Mass.	34,259	31,036
Terre Haute, Ind.	58,157	36,673
Toledo, O.	168,497	131,822
Topeka, Kan.	43,684	33,608
Trenton, N. J.	96,815	73,307
Troy, N. Y.	76,813	60,651
Utica, N. Y.	74,419	56,383
Waltham, Mass.	27,834	23,481
Washington, D. C.	331,069	278,718
Waterbury, Conn.	73,141	45,859
West Hoboken, N. J.	35,403	23,094
Wheeling, W. Va.	41,641	38,878
Wichita, Kan.	52,450	24,671
Wilkesbarre, Pa.	67,105	51,721
Williamsport, Pa.	31,860	28,757
Wilmington, Del.	87,411	76,508
Woonsocket, R. I.	38,125	28,204
Worcester, Mass.	145,986	118,421
Yonkers, N. Y.	79,803	47,931
York, Pa.	44,750	33,708
Youngstown, O.	79,066	44,885

THE LARGEST CITIES IN THE WORLD.

1910 Census data for cities in the United States. Late official census or official estimates for all foreign cities.

New York	4,766,883	Montreal	470,480
London	4,521,685	Detroit	465,766
Paris	2,888,110	Sheffield	454,632
Tokio, Japan	2,186,079	Sao Paulo, Brazil	450,000
Chicago	2,185,283	Leeds	445,550
Berlin	2,071,257	Kioto, Japan	442,462
Vienna	2,031,498	Rotterdam	436,018
St. Petersburg	1,962,400	Turin	427,106
Philadelphia	1,549,008	Buffalo	423,715
Moscow	1,533,400	San Francisco	416,912
Buenos Ayres	1,314,163	Frankfort-on-Main	414,576
Peking	1,300,000	Lodz, Poland	408,330
Osaka, Japan	1,226,590	Dublin	403,030
Calcutta	1,222,313	Yokohama	394,303
Constantinople	1,200,000	Belfast	386,947
Rio Janeiro	1,128,637	Nagoya, Japan	378,231
Canton	1,000,000	Kobe, Japan	378,197
Bombay	979,445	Milwaukee	373,857
Hamburg	931,035	Hong Kong	366,145
Glasgow	784,496	Cincinnati	363,591
Buda-Pesth	880,371	Dusseldorf	358,728
Warsaw	872,478	Bristol, Eng.	357,048
Tientsin	800,000	Lisbon	356,009
Liverpool	746,421	Montevideo	352,487
Manchester, Eng.	714,333	Newark, N.J.	347,469
St. Louis	687,029	Stockholm	346,599
Naples	678,031	New Orleans	339,075
Boston	670,585	Bucharest	338,109
Cairo, Egypt	654,476	Nuremberg	333,142
Shanghai	651,000	Santiago, Chili	332,724
Brussels	646,400	Alexandria	332,246
Sidney	636,353	Riga	331,300
Bangkok	628,675	Washington	331,069
Melbourne	600,160	Palermo	321,000
Milan	597,325	Edinburgh	320,318
Munich	596,467	Havana	319,884
Leipzig	589,850	Los Angeles	319,198
Amsterdam	580,960	Antwerp	308,618
Madrid	571,539	Charlottenburg, Prussia	306,978
Cleveland	560,663	Hanover, Germany	302,375
Barcelona	560,000	Minneapolis	301,408
Copenhagen	559,000	Essen, Germany	294,653
Baltimore	558,485	West Ham, Eng.	289,030
Marseilles	550,619	The Hague	288,577
Dresden	550,565	Bradford	288,458
Rome	542,123	Chemnitz	287,807
Pittsburgh	533,905	Stuttgart	286,218
Birmingham, Eng.	526,000	Teheran	280,000
Lyons	523,796	Hull	277,991
Madras	518,660	Genoa	272,221
Cologne	516,527	Jersey City	267,779
Breslau	512,000	Newcastle	266,603
Odessa	505,600	Nottingham	259,904
Kiev, Russia	505,060	Lucknow	259,798
Hyderabad	500,000	Prague	223,741
Mexico City	470,659		

PRESIDENTS OF THE UNITED STATES.

	NAMES.	Born.	Inaugurated.	Term of Office.	Died.	Native of	Residence when elected.	Political Party.
1	GEORGE WASHINGTON	Feb. 22, 1732	April 30, 1789	8 years.	Dec. 14, 1799	Virginia.	Virginia.	Federal.
2	JOHN ADAMS	Oct. 31, 1735	Mar. 4, 1797	4 "	July 4, 1826	Mass.	Mass.	"
3	THOMAS JEFFERSON	April 13, 1743	"	4 "	July 4, 1826	Virginia.	Virginia.	Republican.
4	JAMES MADISON	Mar. 16, 1751	"	4 "	June 28, 1836	"	"	"
5	JAMES MONROE	April 28, 1758	"	4 "	July 4, 1831	"	"	Coalition.
6	JOHN QUINCY ADAMS	July 11, 1767	"	4 "	Feb. 23, 1848	Mass.	Tennessee.	Democrat.
7	ANDREW JACKSON	Mar. 15, 1767	"	4 "	June 8, 1845	S. Carolina.	New York.	Whig.
8	MARTIN VAN BUREN	Dec. 5, 1782	"	4 "	July 24, 1862	Virginia.	Ohio.	Democrat.
9	WM. H. HARRISON	Feb. 9, 1773	April 6, 1841	1 month	April 4, 1841	Virginia.	Tennessee.	Whig.
10	JOHN TYLER	Nov. 2, 1790	Mar. 4, 1841	3 yrs. 11 mos.	Jan. 18, 1862	N. Carolina.	Tennessee.	Democrat.
11	JAMES K. POLK	Nov. 2, 1795	Mar. 4, 1845	4 years.	June 15, 1849	Virginia.	Louisiana.	Whig.
12	ZACHARY TAYLOR	Sept. 24, 1784	Mar. 4, 1849	1 year 4 mos.	July 9, 1850	New York.	New York.	Democrat.
13	MILLARD FILLMORE	Feb. 7, 1800	July 9, 1850	2 years 8 mos.	Mar. 7, 1874	N. Hamp.	Penn.	Democrat.
14	FRANKLIN PIERCE	Nov. 23, 1804	Mar. 4, 1853	4 years.	Oct. 8, 1869	N. Hamp.	Kentucky.	Republican.
15	JAMES BUCHANAN	April 23, 1791	"	4 "	June 1, 1865	Penn.	Illinois.	"
16	ABRAHAM LINCOLN	Feb. 12, 1809	Mar. 4, 1861	4 yrs. 4 mos.	April 15, 1865	Kentucky.	Tennessee.	"
17	ANDREW JOHNSON	Dec. 29, 1808	April 15, 1865	3 yrs. 10 mos.	July 31, 1865	Ohio.	Ohio.	"
18	ULYSSES S. GRANT	April 27, 1822	Mar. 4, 1869	8 years.	Jan. 23, 1885	Ohio.	New York.	Democrat.
19	RUTHERF'D B. HAYES	Oct. 4, 1822	"	5, 1877 4	Jan. 17, 1893	"	Indiana.	Republican.
20	JAMES A. GARFIELD	Nov. 19, 1831	Sept. 20, 1881	3 yrs. 5 mos.	Nov. 19, 1881	Vermont.	New York.	Democrat.
21	CHESTER A. ARTHUR	Oct. 5, 1830	Mar. 4, 1881	4 years.	June 24, 1901	New Jersey.	Ohio.	Democrat.
22	GROVER CLEVELAND	Mar. 18, 1837	"	4 "	Mar. 13, 1901	Ohio.	New York.	Republican.
23	BENJAMIN HARRISON	Aug. 29, 1833	"	4 "	June 24, 1901	New Jersey.	Ohio.	Republican.
24	GROVER CLEVELAND	Mar. 18, 1837	"	4 "	Sept. 14, 1901	Ohio.	New York.	Republican.
25	WILLIAM MCKINLEY	Jan. 29, 1827	"	4 yrs. 6 mos.	Sept. 14, 1901	New York.	Ohio.	Republican.
26	THEODORE ROOSEVELT	Oct. 27, 1858	Sept. 14, 1901	7 yrs. 5 mos.	Sept. 15, 1901	Ohio.	New Jersey.	Democrat.
27	WM. HOWARD TAFT	Sept. 15, 1857	Mar. 4, 1909	4 yrs.	"	Ohio.	"	"
28	WOODROW WILSON	Dec. 28, 1856	"	4, 1913	"	Virginia.	"	"

INTEREST TABLE.

FOUR PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	1	11
3 "	0	0	0	0	0	0	0	0	0	0	3	33
5 "	0	0	0	0	0	0	0	0	0	0	5	50
10 "	0	0	0	0	0	0	0	0	0	0	11	111
1 Mo.	0	0	0	0	0	0	0	0	0	0	1	11
2 "	1	2	2	2	2	2	2	2	2	2	6	67
3 "	1	2	2	2	2	2	2	2	2	2	6	67
4 "	1	2	2	2	2	2	2	2	2	2	6	67
6 "	1	2	2	2	2	2	2	2	2	2	6	67
9 "	1	2	2	2	2	2	2	2	2	2	6	67
1 Yr.	4	8	12	16	20	24	28	32	36	40	40	400

FIVE PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	1	14
3 "	0	0	0	0	0	0	0	0	0	0	4	42
5 "	0	0	0	0	0	0	0	0	0	0	7	69
10 "	0	0	0	0	0	0	0	0	0	0	14	139
1 Mo.	0	0	0	0	0	0	0	0	0	0	1	17
2 "	1	2	3	3	3	3	3	3	3	3	8	83
3 "	1	2	3	3	3	3	3	3	3	3	8	83
4 "	1	2	3	3	3	3	3	3	3	3	8	83
6 "	1	2	3	3	3	3	3	3	3	3	8	83
9 "	1	2	3	3	3	3	3	3	3	3	8	83
1 Yr.	5	10	15	20	25	30	35	40	45	50	50	500

SIX PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	2	17
3 "	0	0	0	0	0	0	0	0	0	0	5	50
5 "	0	0	0	0	0	0	0	0	0	0	8	83
10 "	0	0	0	0	0	0	0	0	0	0	17	167
1 Mo.	0	0	0	0	0	0	0	0	0	0	1	17
2 "	1	2	3	3	3	3	3	3	3	3	5	50
3 "	1	2	3	3	3	3	3	3	3	3	5	50
4 "	1	2	3	3	3	3	3	3	3	3	5	50
6 "	1	2	3	3	3	3	3	3	3	3	5	50
9 "	1	2	3	3	3	3	3	3	3	3	5	50
1 Yr.	6	12	18	24	30	36	42	48	54	60	60	600

INTEREST LAWS OF ALL THE STATES, AND DAYS OF GRACE.

STATES AND TERRITORIES.	DAYS OF GRACE.	RATES OF INTEREST.		STATUTES OF LIMITATIONS.	
		Notes.	Special or Contract.	Notes.	Special or Contract.
Alabama	No	No	8 per ct.	20	6
Alaska	No	No	12 per ct.	10	6
Arizona	No	No	No limit.	5	4
Arkansas	No	No	10 per ct.	10	5
California	No	No	No limit.	5	4
Colorado	No	No	No limit.	20	6
Connecticut	No	No	No limit.	(a)	(b)
Delaware	No	No	6 per ct.	10	6
Dist. of Columbia	No	No	10 per ct.	12	3
Florida	No	No	8 per ct.	20	5
Georgia	No	No	8 per ct.	7	6
Hawaiian Isl'nds	No	No	12 per ct.	...	...
Idaho	No	No	12 per ct.	6	5
Illinois	No	No	7 per ct.	20	10
Indiana	No	No	8 per ct.	20	10
Iowa	No	No	8 per ct.	20	10
Kansas	No	No	10 per ct.	5	5
Kentucky	No	No	6 per ct.	15	5
Louisiana	No	No	8 per ct.	10	5
Maine	No	Yes	No limit.	6-20	6
Maryland	No	No	6 per ct.	12	3
Massachusetts	No	Yes	No limit.	20	6
Michigan	No	No	7 per ct.	10	6
Minnesota	No	No	10 per ct.	10	6
Mississippi	Yes	Yes	10 per ct.	7	6
Missouri	No	No	8 per ct.	10	5
Montana	No	No	No limit.	10	8
Nebraska	No	No	10 per ct.	5	5
Nevada	No	No	No limit.	6	4
New Hampshire	No	Yes	6 per ct.	20	6
New Jersey	No	No	6 per ct.	20	6
New Mexico	No	No	12 per ct.	7	6
New York	No	No	6 per ct.	20	6
North Carolina	No	No	6 per ct.	10	3
North Dakota	No	No	12 per ct.	10	6
Ohio	No	No	8 per ct.	6-15	15
Oklahoma	No	No	10 per ct.	1-5	5
Oregon	No	No	10 per ct.	10	6
Pennsylvania	No	No	6 per ct.	5	6
Philippine Isl'nds	No	No	No limit.	...	...
Porto Rico	No	No	12 per ct.	...	...
Rhode Island	No	Yes	No limit.	20	6
South Carolina	Yes	Yes	8 per ct.	10	6
South Dakota	No	No	12 per ct.	10	6
Tennessee	No	No	6 per ct.	10	6
Texas	Yes	Yes	10 per ct.	10	4
Utah	No	No	12 per ct.	8	6
Vermont	No	No	6 per ct.	8	6
Virginia	No	No	6 per ct.	20	6
Washington	No	No	12 per ct.	10	6
West Virginia	No	No	6 per ct.	10	6
Wisconsin	No	No	10 per ct.	6-20	5
Wyoming	No	No	12 per ct.	21	5

Any rate of interest on call loans of \$5,000 or upward, on collateral security.
(a) No limit. (b) Negotiable notes, 6 years. * Under seal, 10 years.
† Under seal, 20 years. ‡ In Courts of Record, 20 years; Justice's Court, 10 years. § Accounts between merchants, 2 years.

WEIGHTS AND MEASURES.

MEASURE OF LENGTH.

4	In. = 1 Hand.	3	Feet = 1 Yard.
7-92	In. = 1 Link.	5½	Yds. = 1 Rod or Pole
18	In. = 1 Cubit.	40	Poles = 1 Furlong
12	In. = 1 Foot.	8	Fur. = 1 Mile.
6	Ft. = 1 Fathom.	60	1-6 Miles = 1 Degree.
	60 Geographical Miles = 1 Degree.		
	1760 Yards } 5280 Feet } = 1 Mile.		

MEASURE OF SURFACE.

144	Square Inches = 1 Square Foot.
9	Square Feet = 1 Square Yard.
30½	Square Yards = 1 Sq. Rod, Perch or Pole
40	Square Rods = 1 Square Rood.
4	Square Roods = 1 Acre.
	Gunter's Chain = 22 Yards or 100 Links.
10	Square Chains = 1 Acre.
640	Acres = 1 Square Mile.
272½	Square Feet = 1 Square Rod.
43,560	Square Feet = 1 Acre.

MEASURE OF SOLIDITY.

1728	Cubic Inches = 1 Cubic Foot.
27	Cubic Feet = 1 Cubic Yard.

AVOIRDUPOIS WEIGHT.

27½	Grains = 1 Drachm (dr.) or 27½ Grains
16	Drachms = 1 Ounce (oz.) or 437½ "
16	Ounces = 1 Pound (lb.) or 7000 "
28	Pounds = 1 Quarter (qr.).
4	Quarters = 1 Hundred-Weight (cwt)
20	Cwts. = 1 Ton.
2240	Pounds = 1 Ton.

TROY WEIGHT.

24	Grains = 1 Pennyweight, or 24 Grains.
20	Pennywts = 1 Ounce, or 480 "
12	Ounces = 1 Pound, or 5760 "

APOTHECARIES' WEIGHT.

20	Grains = 1 Scruple.	8	Drachms = 1 Ounce.
3	Scruples = 1 Drachm.	12	Ounces = 1 Pound.

DIAMOND WEIGHT.

16	Parts = 1 Grain (4-5ths Grain Troy.)
4	Grains = 1 Carat (3 1-5ths Grains Troy.)

LIQUID MEASURE.

4	Gills = 1 Pint.	31½	Gallons = 1 Barrel.
2	Pints = 1 Quart.	54	Gallons = 1 Hhd.
4	Quarts = 1 Gallon.	252	Gallons = 1 Tun.

DRY MEASURE.

8	Quarts = 1 Peck.	8	Bushels = 1 Quarter.
4	Pecks = 1 Bushel.	36	Bushels = 1 Chaldron.
	1 Bushel = 2150.42 Cubic Inches.		

WEIGHT PER BUSHEL OF GRAIN, ETC.

The following Table shows the number of pounds per bushel required, by law or custom, in the sale of articles specified, in the several States of the Union.

STATES.	Barley.	Buckwheat.	Coal.	Corn, shelled.	Corn Meal.	Onions.	Oats.	Potatoes.	Rye.	Wheat.	Salt.	Turnips.	Beans, wh.	Clover Sd.	Timothy.
Maine.....	48	48	..	56	50	52	30	60	..	60	..	50	64	..	..
New Hampshire.....	..	..	..	56	50	..	30	60	56	60	..	..	60	..	..
Vermont.....	48	48	..	..	..	..	32	60	56	60	70	..	64	60	42
Massachusetts.....	48	48	..	56	50	52	32	60	56	60	..	..	..	..	..
Connecticut.....	..	45	..	56	..	..	32	60	56	56	..	..	..	..	..
New York.....	48	48	..	58	..	..	32	60	56	60	..	..	62	60	44
New Jersey.....	48	50	..	56	..	..	30	60	56	60	..	..	..	64	..
Pennsylvania.....	47	48	..	56	..	..	30	56	56	60	85	..	62	..	..
Delaware.....	..	..	..	56	..	..	..	..	..	60	..	..	..	..	..
Maryland.....	48	48	..	56	..	57	32	60	56	60	56	..	62	64	45
Dist. Columbia.....	47	48	..	56	48	57	32	56	56	60	50	55	62	60	45
Virginia.....	48	48	..	56	50	..	32	60	56	60	..	56	60	64	45
West Virginia.....	48	52	80	56	48	..	32	60	56	60	..	60	60	60	45
North Carolina.....	48	50	..	54	46	..	30	..	56	60	..	..	64	..	..
South Carolina.....	48	56	80	56	50	57	33	60	56	60	50	..	60	60	..
Georgia.....	40	..	80	56	48	57	35	56	..	60	56	..	60	..	45
Louisiana.....	32	..	..	56	..	..	32	..	..	60	..	..	..	..	..
Arkansas.....	48	52	80	56	50	57	32	60	56	60	50	..	60	60	45
Tennessee.....	48	50	..	56	50	56	32	60	56	60	..	..	60	..	45
Kentucky.....	48	52	..	56	50	57	33	56	56	60	50	..	60	60	45
Ohio.....	48	50	..	56	..	..	32	60	56	60	..	..	60	60	45
Michigan.....	48	48	80	56	..	54	32	60	56	60	56	58	60	60	45
Indiana.....	48	50	70	56	50	48	32	60	56	60	50	..	60	60	..
Illinois.....	48	52	..	56	48	57	32	60	56	60	50	..	60	60	..
Wisconsin.....	48	50	..	56	..	..	32	60	56	60	..	..	60	..	..
Minnesota.....	48	42	..	56	..	..	32	60	56	60	..	..	60	..	..
Iowa.....	48	52	..	56	..	57	33	60	56	60	50	..	60	60	45
Missouri.....	48	52	..	56	..	57	32	60	56	60	50	..	60	60	45
Kansas.....	50	50	..	56	50	57	32	60	56	60	50	55	60	..	45
Nebraska.....	48	52	..	56	50	57	34	60	56	60	50	55	60	60	45
California.....	50	40	..	52	..	..	32	..	54	60	..	..	..	..	..
Oregon.....	46	42	..	56	..	..	36	60	56	60	..	..	60	..	..

HELP! In Case of Accidents.

Drowning. 1. Loosen clothing, if any. 2. Empty lungs of water by laying body on its stomach and lifting it by the middle so that the head hangs down. Jerk the body a few times. 3. Pull tongue forward, using handkerchief, or pin with string, if necessary. 4. Imitate motion of respiration by alternately compressing and expanding the lower ribs, about twenty times a minute. Alternately raising and lowering the arms, from the sides up above the head will stimulate the action of the lungs. Let it be done gently but persistently. 5. Apply warmth and friction to extremities. 6. By holding tongue forward, closing the nostrils and pressing the "Adam's apple" back, (so as to close entrance to stomach) direct inflation may be tried. Take a deep breath and breathe it forcibly into the mouth of patient, compress the chest to expel the air, and repeat the operation. 7. **DON'T GIVE UP!** People have been saved after HOURS of patient, vigorous effort. 8. When breathing begins, get patient into a warm bed, give WARM drinks, or spirits in teaspoonfuls, fresh air and quiet.

Burns and Scalds. Cover with cooking soda and lay wet cloths over it. Whites of eggs and olive oil. Olive or linseed oil, plain or mixed with chalk or whiting.

Lightning. Dash cold water over a person struck.

Sunstroke. Loosen clothing. Get patient into shade and apply ice-cold water to head.

Mad Dog or Snake Bite. Tie cord tight above wound. Suck the wound and cauterize with caustic or white-hot iron at once, or cut out adjoining parts with a sharp knife.

Venomous Insects' Stings, etc. Apply weak ammonia, oil, salt water or iodine.

Fainting. Place flat on back; allow fresh air and sprinkle with water.

Electricity. Release from current, not touching body or wire with hands, metal or a wet stick. Handle body by its clothing, with rubber gloves and shoes if possible, if not, cover hands with dry woolen cloth, and stand on dry boards. Then induce artificial respiration as in a case of drowning. Rub limbs and massage body.

Tests of Death. Hold mirror to mouth. If living, moisture will gather. Push pin into flesh. If dead, the hole will remain, if alive, it will close up.

Cinders in the Eye. Roll soft paper up like a lamplighter and wet the tip to remove, or use a medicine dropper to draw it out. Rub the *other* eye.

Fire in one's Clothing. *Don't run*—especially not down stairs or out of doors. Roll on carpet, or wrap in woolen rug or blanket. Keep the head down so as not to inhale flame.

Fire in a Building. Crawl on the floor. The clearest air is the lowest in the room. Cover head with a woolen wrap, wet if possible. Cut holes for the eyes. *Don't get excited.*

Fire in Kerosene. *Don't use water,* it will spread the flames. Dirt, sand or flour is the best extinguisher; or smother with woolen rug, table-cloth or carpet.

Suffocation from Inhaling Burning-Gas. Get into the fresh air as soon as possible and lie down. Keep warm. Take Ammonia,—twenty drops to a tumbler of water, at frequent intervals.

ANTIDOTES FOR POISONS.

First. Send for a Physician.

Second. INDUCE VOMITING, by tickling throat with feather or finger, drinking hot water or strong Mustard and water. Swallow Sweet Oil or whites of Eggs.

Acids are antidotes for ALKALIES, and *vice versa*.

SPECIAL POISONS AND ANTIDOTES.

Acids. MURIATIC. OXALIC, }
ACETIC. SULPHURIC (Oil of Vit- } Soapsuds, Magnesia, Lime-water.
riol). NITRIC (Aqua Fortis). }

Prussic Acid. Ammonia in water. Dash water in face.

Carbolic Acid. Flour and water, mucilaginous drinks.

Alkalies. POTASH. LYR. } Vinegar or Lemon juice in water.
HARTSHORN. AMMONIA. }

Arsenic. } Milk, raw Eggs, Sweet Oil, Lime-water, Flour
Rat Poison. } and water.
Paris Green. }

Bug Poison. }
Lead. } Whites of Eggs, or Milk in large doses.
Saltpetre. }
Corrosive Sublimate. }
Sugar of Lead. }
Blue Vitriol. }

Chloroform. } Dash cold water on head and chest. Artificial
Chloral. } respiration. Piece of ice in rectum.
Ether. }

Carbonate of Soda. } Soapsuds and mucilaginous drinks.
Copperas. Cobalt. }

Iodine. } Starch and water. Astringent infusions.
Antimony. } Strong tea.
Tartar Emetic. }

Mercury AND ITS SALTS. Whites of Eggs. Milk. Mucilages.

Nitrate of Silver. } Salt and water.
Lunar Caustic. }

Opium. }
Morphine. } Strong coffee, hot bath. Keep awake and
Laudanum. } moving at any cost.
Paregoric. }
Soothing Powders }
or Syrops. }

Strychnine. } Mustard and water. Sulphate of Zinc.
Tinct. of Nux Vomica. } Absolute quiet. Plug the ears.

LEGAL HOLIDAYS.

In most States when the holiday falls on Sunday the Monday following is observed.

Legal holidays in some States are observed as such only by common consent, or when appointed by the Governor, and not by legislative enactment.

ALABAMA—Jan. 1 and 19, Feb. 22, Mardi-Gras, Good Friday, April 13 and 26, June 3, July 4, Labor Day, gen. election, Oct. 12, Thanksgiving, Dec. 25.
ALASKA—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 18, Thanksgiving, Dec. 25, gen. election.
ARIZONA—Jan. 1, Feb. 22, Arbor Day, May 30, July 4, Labor Day, election day, Thanksgiving, Dec. 25.
ARKANSAS—Jan. 1 and 19, Feb. 22, Arbor Day, June 3, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.
CALIFORNIA—Jan. 1, Feb. 12 and 22, Arbor Day, May 30, July 4, Labor Day, Sept. 9, Oct. 12, Thanksgiving, Dec. 25, gen. elec.
COLORADO—Jan. 1, Feb. 12 and 22, Arbor Day, May 30, July 4, Aug. 1, Labor Day, Oct. 12, Thanksgiving, Dec. 25, gen. election.
CONNECTICUT—Jan. 1, Feb. 12 and 22, Good Friday, Fast Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
DELAWARE—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.
DISTRICT OF COLUMBIA—Jan. 1, Feb. 22, Inauguration Day, May 30, July 4, Labor Day, Thanksgiving, Dec. 25.
FLORIDA—Jan. 1 and 19, Arbor Day, Feb. 22, Good Friday, Apr. 26, June 3, July 4, Labor Day, Thanksgiving, Dec. 25, gen. elec.
GEORGIA—Jan. 1 and 19, Feb. 22, April 26, June 3, July 4, Labor Day, any Thanksgiving, 1st Friday in Dec., Dec. 25.
HAWAII—Jan. 1, Feb. 22, May 30, June 11, July 4, Labor Day, Regatta Day, Thanksgiving, Dec. 25.
IDAHO—Jan. 1, Feb. 22, Arbor Day, May 30, June 15, July 4, July 15, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
ILLINOIS—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election days.
INDIANA—Jan. 1, Feb. 12 and 22, public fast, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, gen. elec.
IOWA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, general election.
KANSAS—Jan. 1, Feb. 12 and 22, May 30, public fast, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
KENTUCKY—Jan. 1, Feb. 22, May 30, July 4, public fast, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
LOUISIANA—Jan. 1 and 8, Feb. 22, Mardi-Gras in New Orleans, Good Friday, June 3, July 4, All Saints Day, Labor Day (Orleans Parish), Thanksgiving, Dec. 25, general election.
MAINE—Jan. 1, Feb. 22, Arbor Day, April 19, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
MARYLAND—Jan. 1, Feb. 22, Arbor Day, Good Friday, May 30, July 4, Labor Day, Sept. 12, Oct. 12, Thanksgiving, Dec. 25, gen. elec.
MASSACHUSETTS—Feb. 22, April 19, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
MICHIGAN—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Fasting and Thanksgiving Day, Dec. 25, elec. days.
MINNESOTA—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, Arbor Day, gen. election.
MISSISSIPPI—Jan. 1, Feb. 22, April 26, June 3, July 4, Labor Day, Thanksgiving, Dec. 25.

MISSOURI—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election days.
MONTANA—Jan. 1, Feb. 12 and 22, Arbor Day, May 30, public fast, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, gen. election.
NEBRASKA—Jan. 1, Feb. 22, April 22, Arbor Day, May 30, July 4, Labor Day, Oct. 12, public fast, Thanksgiving, Dec. 25.
NEVADA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Oct. 31, Thanksgiving, Dec. 25, general election.
NEW HAMPSHIRE—Jan. 1, Feb. 22, Fast Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, gen. election.
NEW JERSEY—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, every Saturday p. m., general election.
NEW MEXICO—Jan. 1, Arbor Day, Feb. 22, May 30, Flag Day, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, gen. election.
NEW YORK—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election, every Saturday p. m.
NORTH CAROLINA—Jan. 1 and 19, Feb. 22, April 12, May 10 and 20, July 4, Labor Day, Thanksgiving, Dec. 25, election day.
NORTH DAKOTA—Jan. 1, Feb. 12 and 22, May 30, election last Thursday in June, July 4, Arbor Day, Labor Day, Thanksgiving, public fast, Dec. 25, general election.
OHIO—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
OKLAHOMA—Jan. 1, Feb. 22, Arbor Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.
OREGON—Jan. 1, Feb. 22, May 30, July 4, Labor Day, public fast, Thanksgiving, Dec. 25, general election.
PENNSYLVANIA—Jan. 1, Feb. 12, spring election, Feb. 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election, every Saturday p. m.
PORTO RICO—Jan. 1, Feb. 22, Mar. 22, Good Friday, May 30, July 4, July 25, Labor Day, Oct. 12, Thanksgiving, Christmas.
RHODE ISLAND—Jan. 1, Feb. 22, Arbor Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, State election, general election, Flag Day.
SOUTH CAROLINA—Jan. 1 and 19, Feb. 22, May 10, June 3, July 4, Labor Day, Thanksgiving, Dec. 25, gen. election.
SOUTH DAKOTA—Jan. 1, Feb. 12 and 22, May 30, Arbor Day, July 4, Labor Day, Thanksgiving, Dec. 25, general election.
TENNESSEE—Jan. 1, Feb. 22, Good Friday, 2d Friday in May, June 3, July 4, Labor Day, Thanksgiving, Dec. 25, general election, every Saturday p. m.
TEXAS—Jan. 1, Feb. 22, Mar. 2, April 21, June 3, July 4, Labor Day, Oct. 12, Dec. 25, days of Fasting and Thanksgiving, elec. day.
UTAH—Jan. 1, Feb. 12 and 22, April 15, May 30, July 4, July 24, Labor Day, Thanksgiving, Dec. 25.
VERMONT—Jan. 1, Feb. 22, Fast Day, May 30, July 4, Aug. 16, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
VIRGINIA—Jan. 1 and 19, Feb. 22, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, every Saturday p. m., gen. election.
WASHINGTON—Jan. 1, Feb. 12 and 22, Decoration Day, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, gen. election.
WEST VIRGINIA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Dec. 25, Thanksgiving, general election.
WISCONSIN—Jan. 1, Feb. 22, May 30, Arbor Day, July 4, Labor Day, election 1st Tuesday in Sept., Thanksgiving, Dec. 25, gen. elec.
WYOMING—Jan. 1, Feb. 12 and 22, Arbor Day, May 30, July 4, July 10, Labor Day, Thanksgiving, Dec. 25, general election.

RATE OF INCOME ON STOCKS.

Purchased at the following prices (par value being \$100), and bearing interest at the following rates.

Paid	2%	3%	4%	5%	6%	7%	8%	10%
\$50	4 00	6 00	8 00	10 00	12 00	14 00	16 00	20 00
52½	3 81	5 71	7 62	9 52	11 43	13 33	15 24	19 04
55	3 63	5 45	7 27	9 09	10 91	12 72	14 55	18 18
57½	3 48	5 22	6 96	8 70	10 43	12 17	13 91	17 40
60	3 33	5 00	6 67	8 33	10 00	11 67	13 33	16 66
62½	3 20	4 80	6 40	8 00	9 60	11 20	12 80	16 00
65	3 08	4 62	6 15	7 69	9 23	10 77	12 31	15 38
67½	2 96	4 44	5 93	7 41	8 89	10 37	11 85	14 82
70	2 86	4 29	5 71	7 14	8 57	10 00	11 43	14 28
72½	2 76	4 14	5 52	6 90	8 27	9 65	11 03	13 80
75	2 67	4 00	5 33	6 67	8 00	9 33	10 67	13 35
77½	2 58	3 87	5 16	6 45	7 74	9 03	10 32	12 90
80	2 50	3 75	5 00	6 25	7 50	8 75	10 00	12 50
82½	2 42	3 64	4 85	6 06	7 27	8 48	9 70	12 12
85	2 35	3 53	4 71	5 88	7 06	8 24	9 41	11 76
87½	2 29	3 43	4 57	5 71	6 86	8 00	9 14	11 42
90	2 22	3 33	4 44	5 56	6 67	7 78	8 89	11 11
92½	2 16	3 24	4 32	5 41	6 49	7 57	8 65	10 82
95	2 11	3 16	4 21	5 26	6 32	7 37	8 42	10 52
97½	2 05	3 08	4 10	5 13	6 15	7 18	8 21	10 26
100	2 00	3 00	4 00	5 00	6 00	7 00	8 00	10 00
102	1 96	2 94	3 92	4 90	5 88	6 86	7 84	9 80
104	1 92	2 88	3 85	4 81	5 77	6 73	7 69	9 62
106	1 88	2 83	3 77	4 72	5 66	6 60	7 55	9 44
108	1 85	2 78	3 70	4 63	5 56	6 48	7 41	9 26
110	1 82	2 73	3 64	4 55	5 45	6 36	7 27	9 10
115	1 74	2 61	3 48	4 35	5 22	6 09	6 96	8 69
120	1 67	2 50	3 33	4 17	5 00	5 83	6 67	8 33
125	1 60	2 40	3 20	4 00	4 80	5 60	6 40	8 00
130	1 54	2 31	3 08	3 85	4 62	5 38	6 15	7 70
135	1 48	2 22	2 96	3 70	4 44	5 19	5 93	7 40
140	1 43	2 14	2 86	3 57	4 29	5 00	5 71	7 14
145	1 38	2 07	2 76	3 45	4 14	4 83	5 52	6 90
150	1 33	2 00	2 67	3 33	4 00	4 67	5 33	6 66
155	1 29	1 94	2 58	3 23	3 87	4 52	5 16	6 46
160	1 25	1 87	2 50	3 12	3 75	4 37	5 00	6 25
165	1 21	1 82	2 42	3 03	3 64	4 24	4 85	6 06
170	1 18	1 76	2 35	2 94	3 53	4 12	4 71	5 88
175	1 14	1 71	2 29	2 86	3 43	4 00	4 57	5 72
180	1 11	1 67	2 22	2 78	3 33	3 89	4 44	5 55
185	1 08	1 62	2 16	2 70	3 24	3 78	4 32	5 40
190	1 05	1 58	2 11	2 63	3 16	3 68	4 21	5 26
195	1 03	1 54	2 05	2 56	3 08	3 59	4 10	5 12
200	1 00	1 50	2 00	2 50	3 00	3 50	4 00	5 00

BUSINESS LAW IN DAILY USE.

The following compilation of Business Law contains the essence of a large amount of legal verbiage:

A note by a minor is void.

It is a fraud to conceal a fraud.

A note made on Sunday is void.

Ignorance of the law excuses no one.

A contract made with a minor is void.

A contract made with a lunatic is void.

The acts of one partner bind all the rest.

Notes bear interest only when so stated.

An agreement without consideration is void.

A receipt for money is not always conclusive.

The law compels no one to do impossibilities.

Contracts made on Sunday cannot be enforced.

Signatures made with a lead pencil are good in law.

Principals are responsible for the acts of their agents.

No consideration is sufficient in law if it be illegal in its nature.

Checks or drafts must be presented for payment without unreasonable delay.

If the time of payment of a note is not inserted, it is held payable on demand.

A note obtained by fraud, or from a person in a state of intoxication, cannot be collected.

If the drawee of a check or draft has changed his residence, the holder must use due or reasonable diligence to find him.

A note indorsed in blank (the name of the indorser only written) is transferable by delivery, the same as if made payable to bearer.

Each individual in a partnership is responsible for the whole amount of the debts of the firm, except in cases of special partnership.

If a note is lost or stolen, it does not release the maker; he must pay it, if the consideration for which it was given and the amount can be proven.

Checks or drafts should be presented during business hours, but in this country, except in the case of banks, the time extends through the day and evening.

"Value received" is usually written in a note, and should be, but is not necessary. If not written it is presumed by the law, or may be supplied by proof.

If one who holds a check as payee or otherwise, transfers it to another, he has a right to insist that the check be presented that day, or, at farthest, on the day following.

The maker of an "accommodation" bill or note (one for which he has received no consideration, having lent his name or credit for the accommodation of the holder) is not bound to the person accommodated, but is bound to all other parties, precisely as if there was a good consideration.




VALUES OF FOREIGN COINS.

The following estimate, by the Director of the Mint, of the values of Foreign Coins, is proclaimed by the Secretary of the Treasury, in pursuance of the provisions of section 25 of the Act of August 27, 1894, to be the values of such coins in terms of the money of account of the United States, to be followed in estimating the value of all foreign merchandise exported to the United States on or after January 1, 1915, expressed in any of such metallic currencies:

COUNTRY.	STANDARD.	MONETARY UNIT.	VALUE.
			D. C. M.
Argentine Rep.....	Gold.....	Peso.....	0 96 5
Austria-Hungary.....	Gold.....	Crown.....	0 20 3
Belgium.....	Gold.....	Franc.....	0 19 3
Bolivia.....	Gold.....	Boliviano.....	0 38 9
Brazil.....	Gold.....	Milreis.....	0 54 6
Canada.....	Gold.....	Dollar.....	1 0 0
Costa Rica.....	Gold.....	Colon.....	0 46 5
Chili.....	Gold.....	Peso.....	0 36 5
China.....	Silver.....	Tael.. { Shanghai..	0 54 7
		{ Haikwan..	0 61 0
		{ (Customs).	
Colombia.....	Gold.....	Dollar.....	1 0 0
Denmark.....	Gold.....	Crown.....	0 26 8
Ecuador.....	Gold.....	Sucre.....	0 48 7
Egypt.....	Gold.....	Pound (100 piastres)	4 94 3
Finland.....	Gold.....	Mark.....	0 19 3
France.....	Gold.....	Franc.....	0 19 3
German Empire.....	Gold.....	Mark.....	0 23 8
Great Britain.....	Gold.....	Pound sterling.....	4 86 6
Greece.....	Gold.....	Drachma.....	0 19 3
Hayti.....	Gold.....	Gourde.....	0 96 5
India (British).....	Gold.....	Rupce.....	0 32 4
Italy.....	Gold.....	Lira.....	0 19 3
Japan.....	Gold.....	Yen.....	0 49 8
Liberia.....	Gold.....	Dollar.....	1 0 0
Mexico.....	Gold.....	Peso.....	0 49 8
Netherlands.....	Gold.....	Florin.....	0 40 2
Newfoundland.....	Gold.....	Dollar.....	1 1 4
Norway.....	Gold.....	Crown.....	0 26 8
Panama.....	Gold.....	Balboa.....	1 0 0
Persia.....	Gold.....	Kran.....	0 17 0
Peru.....	Gold.....	Libra.....	4 86 6
Philippine Islds.....	Gold.....	Peso.....	0 50 0
Portugal.....	Gold.....	Escudo.....	1 8 0
Russia.....	Gold.....	Ruble.....	0 51 5
Spain.....	Gold.....	Peseta.....	0 19 3
Sweden.....	Gold.....	Crown.....	0 26 8
Switzerland.....	Gold.....	Franc.....	0 19 3
Turkey.....	Gold.....	Piaster.....	0 4 4
Uruguay.....	Gold.....	Peso.....	1 3 4
Venezuela.....	Gold.....	Boivar.....	0 19 3

U.S. DEPARTMENT OF AGRICULTURE. WEATHER BUREAU.

INTERPRETATION OF SIGNALS

No. 1.	No. 2.	No. 3.	No. 4.	No. 5.
White Flag	Blue Flag	White and Blue Flag	Black Triangular Flag	White Flag Black Center
				
Clear or Fair.	Rain or Snow.	Local Rain or Snow.	Temperature.	Cold Wave.

No. 1, alone, indicates fair weather, stationary temperature.
 No. 2, alone, indicates rain or snow, stationary temperature.
 No. 3, alone, indicates local rain or snow, stationary temperature.
 No. 1 with No. 4 above it, indicates fair weather, warmer.
 No. 1 with No. 4 below it, indicates fair weather, colder.
 No. 2 with No. 4 above it, indicates rain or snow, warmer.
 No. 2 with No. 4 below it, indicates rain or snow, colder.
 No. 3 with No. 4 above it, indicates local rain or snow, warmer.
 No. 3 with No. 4 below it, indicates local rain or snow, colder.

DISPLAY EXAMPLES.

Colder. Fair Weather.	Rain or Snow. Warmer.	Local Rain or Snow. Colder.
		

TO FIND THE LENGTH OF DAY OR NIGHT.

At any time of the year add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising for the length of the day. Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning for the length of the night. These rules are equally true for apparent time.

STANDARD TIME.

IN this Almanac the risings and settings of the Sun and Moon are given in local mean time, as heretofore. The Tides are given in STANDARD TIME. Light face figures indicate A. M. time; heavy face P. M. time.

To change to STANDARD TIME add or subtract the *minutes* as given below, according as they are marked *plus* or *minus*.

Standard Time Divisions as adopted by the Railroads.

EASTERN STANDARD—75th Meridian. Canada, between Quebec and Detroit,—U. S. east of Buffalo, N. Y.; Pittsburgh, Pa.; Wheeling and Huntington, W. Va.; Bristol, Tenn.; Charlotte, N. C., and Augusta, Ga.

CENTRAL STANDARD—90th Meridian. West from "Eastern" limits, as above, to Broadview, Canada; to the Missouri River in Dakota; North Platte and McCook, Nebraska; Wallace and Dodge City, Kansas; Toyah and Sanderson, Texas.

MOUNTAIN STANDARD—105th Meridian. West from "Central" limits to Heron, Montana; Ogden, Utah; Needles and Yuma, Arizona.

PACIFIC STANDARD—120th Meridian. West from "Mountain" limits to coast.

Correction for the following Cities.

Eastern Standard. 75° Longitude.		Central Standard. 90° Longitude.	
	Minutes.		Minutes.
Bangor, Me.....	- 23	Cleveland, Ohio.....	- 33
Augusta, Me.....	- 21	Columbus, Ohio.....	- 28
Portland, Me.....	- 19	Detroit, Mich.....	- 28
Boston, Mass.....	- 16	Toledo, Ohio.....	- 26
Newport, R. I.....	- 15	Dayton, Ohio.....	- 23
Providence, R. I.....	- 14	Cincinnati, Ohio.....	- 22
Concord, N. H.....	- 14	Louisville, Ky.....	- 18
New London, Conn.....	- 11	Indianapolis, Ind.....	- 16
Springfield, Mass.....	- 10	Chicago, Ill.....	- 10
Montpelier, Vt.....	- 10	Milwaukee, Wis.....	- 8
Hartford, Conn.....	- 9	Springfield, Ill.....	- 2
Montreal, Que.....	- 6	Memphis, Tenn.....	0
Albany, N. Y.....	- 5	New Orleans, La.....	0
New York, N. Y.....	- 4	St. Louis, Mo.....	+ 1
Utica, N. Y.....	+ 1	Rock Island, Ill.....	+ 3
Philadelphia, Pa.....	+ 1	Dubuque, Iowa.....	+ 3
Syracuse, N. Y.....	+ 5	Burlington, Iowa.....	+ 5
Baltimore, Md.....	+ 6	St. Paul, Minn.....	+ 12
Washington, D. C.....	+ 8	Des Moines, Iowa.....	+ 14
Rochester, N. Y.....	+ 11	Kansas City, Mo.....	+ 18
Buffalo, N. Y.....	+ 16	Galveston, Texas.....	+ 19
Pittsburg, Pa.....	+ 26	Omaha, Neb.....	+ 24

Mountain Standard. 105° Longitude.		Pacific Standard. 120° Longitude.	
Denver, Col.....	0	Sacramento, Cal.....	+ 6
Salt Lake City, Utah.....	+ 28	San Francisco, Cal.....	+ 10

TIDE TABLE.

To Find High Water (Standard Time) Add to, or Subtract from, High Water at New York.

EASTERN STANDARD.			Mean Range.
	H.	M.	Feet.
Eastport, Me.....	add	2 37	18.2
Bar Harbor, Me.....	"	2 31	10.5
Rockland, Me.....	"	2 44	9.7
Portland, Me.....	"	2 52	8.9
Portsmouth, N. H.....	"	3 13	7.8
Isle of Shoals, N. H.....	"	3 1	8.7
Newburyport, Mass.....	"	3 23	7.8
Rockport, Mass.....	"	2 55	8.8
Gloucester, Mass.....	"	2 57	8.9
Salem, Mass.....	"	3 0	9.0
Marblehead, Mass.....	"	2 52	9.2
Nahant, Mass.....	"	2 59	9.1
Hull, Mass.....	"	3 2	9.0
Plymouth, Mass.....	"	3 4	9.6
Provincetown, Mass.....	"	3 3	9.2
Nantucket, Mass.....	"	4 4	3.1
Vineyard Haven, Mass.....	"	3 25	1.7
Wood's Hole, North Side, Mass.....	sub.	0 18	3.9
Wood's Hole, South Side, Mass.....	add	0 9	1.8
New Bedford Entrance (Dumpling Rock), Mass. }	sub.	0 26	3.7
Newport, R. I.....	"	0 31	3.5
Bristol, R. I.....	"	0 13	4.1
Providence, R. I.....	"	0 2	4.6
Point Judith, R. I.....	"	0 29	3.1
New Shoreham, Block Island, R. I.....	"	0 41	3.0
New London, Conn.....	add	1 14	2.5
Norwich, Conn.....	"	1 55	3.1
New Haven, Conn.....	"	3 0	6.0
Montauk Point, L. I.....	"	0 7	2.0
Coney Island, L. I.....	sub.	0 29	4.7
West Point, N. Y.....	add	3 2	2.8
Long Branch, N. J.....	sub.	0 43	4.3
Cape May City, N. J.....	"	0 10	4.6
League Island, Pa.....	add	5 26	5.4
Philadelphia, Pa.....	"	5 56	5.3
Annapolis, Md.....	sub.	3 12	0.9
Baltimore, Md.....	"	1 20	1.2
Richmond, Va.....	"	3 32	3.7
Hatteras Inlet, N. C.....	"	0 47	2.0
Charleston (C. H. Wharf), S. C.....	"	0 15	5.2

CENTRAL STANDARD.			
Fort Pulaski (Savannah Ent.), Ga.....	sub.	1 18	6.9
Savannah (Dry Dock Wharf), Ga.....	"	0 23	6.5
Jacksonville, Fla.....	add	0 19	1.0
St. Augustine, Fla.....	sub.	0 14	4.2
Key West, Fla.....	add	0 47	1.2
Tampa Bay (Egmont Key), Fla.....	"	3 3	1.4
Cedar Keys (Depot Key), Fla.....	"	4 39	2.4

FESTIVALS AND FASTS.

Epiphany	Jan. 6
Septuagesima Sunday	Feb. 20
Quinquagesima—Shrove Sunday	Mar. 5
Ash Wednesday	Mar. 8
First Sunday in Lent	Mar. 12
St. Patrick	Mar. 17
Palm Sunday	Apr. 16
Good Friday	Apr. 23
Easter Sunday	Apr. 30
Low Sunday	May 28
Rogation Sunday	June 1
Ascension Day—Holy Thursday	June 11
Pentecost—Whit Sunday	June 18
Trinity Sunday	June 22
Corpus Christi	June 24
St. John Baptist	Sept. 29
Michaelmas Day	Nov. 30
St. Andrew	Dec. 3
First Sunday in Advent	Dec. 3
Christmas Day	Dec. 25

CHRONOLOGICAL CYCLES.

Dominical Letter	B, A
Epaet	26
Lunar Cycle, or Golden Number	17
Solar Cycle	21
Roman Indiction	14
Julian Period	6629

THE SEASONS.

	Eastern Standard.	Central Standard.
Vernal Equinox	Mar. 20, 5h. A.	Mar. 20, 4h. A.
Summer Solstice	June 21, 1h. A.	June 21, oh. A.
Autumnal Equinox	Sept. 23, 4h. M.	Sept. 23, 3h. M.
Winter Solstice	Dec. 21, 11h. A.	Dec. 21, 10h. A.
	Mountain Standard.	Pacific Standard.
Vernal Equinox	Mar. 20, 3h. A.	Mar. 20, 2h. A.
Summer Solstice	June 21, 11h. M.	June 21, 10h. M.
Autumnal Equinox	Sept. 23, 2h. M.	Sept. 23, 1h. M.
Winter Solstice	Dec. 21, 9h. A.	Dec. 21, 8h. A.

MORNING STARS.

MERCURY.—About March 1, June 29 and October 20.

VENUS.—July 3 to end of the year.

JUPITER.—April 1 to October 23.

EVENING STARS.

MERCURY.—About January 20, May 12 and September 9.

VENUS.—Until July 3.

JUPITER.—Until April 1; October 23 to the end of the year.

ECLIPSES FOR THE YEAR.

In the year 1916 there will be five Eclipses, three of the Sun and two of the Moon.

I. A PARTIAL ECLIPSE OF THE MOON, January 19-20. Visible to North America and the greater part of South America, and in part to the extreme western portions of Europe and the eastern portions of Asia. Occurring as follows:

Standard	Eastern	Central	Mountain	Pacific
d. h. m.	d. h. m.	d. h. m.	d. h. m.	d. h. m.
Moon enters penumbra	20 1 4 M.	20 0 4 M.	19 11 4 A.	19 10 4 A.
Moon enters shadow	20 2 55 M.	30 1 55 M.	20 0 55 M.	19 11 55 A.
Middle of eclipse	20 3 39 M.	20 2 39 M.	20 1 39 M.	20 0 39 M.
Moon leaves shadow	20 4 24 M.	20 3 24 M.	20 2 24 M.	20 1 24 M.
Moon leaves penumbra	20 6 14 M.	20 5 14 M.	20 4 14 M.	20 3 14 M.

First contact of shadow, 5 degrees from the south point of the Moon's limb toward the east.

Magnitude of eclipse, 0.137 (Moon's diameter, 1.0).

II. A TOTAL ECLIPSE OF THE SUN, February 3. Visible to North America, the northwestern portion of South America, southwest Europe and the extreme northwestern part of Africa. The path of totality passes through the extreme northwestern part of South America and the Azores. Occurring, as a partial eclipse, as follows:

	Standard	Begins	Ends
		d. h. m.	d. h. m.
Boston	Eastern	10 26 M.	0 37 A.
New York	"	10 19 M.	0 31 A.
Philadelphia	"	10 16 M.	0 27 A.
Pittsburg	"	10 11 M.	0 14 A.
Washington	"	10 11 M.	0 23 A.
Charleston	"	9 53 M.	0 15 A.
Cincinnati	Central	9 2 M.	11 1 M.
Chicago	"	9 6 M.	10 53 M.
St. Paul	"	9 8 M.	10 40 M.
Omaha	"	8 55 M.	10 33 M.
St. Louis	"	8 54 M.	10 46 M.
New Orleans	"	8 32 M.	10 45 M.

III. A PARTIAL ECLIPSE OF THE MOON, July 14-15. Visible generally to North and South America, and in part to western Europe and Africa. Occurring as follows:

Standard	Eastern	Central	Mountain	Pacific
d. h. m.	d. h. m.	d. h. m.	d. h. m.	d. h. m.
Moon enters penumbra	14 9 18 A.	14 8 18 A.	14 7 18 A.	
Moon enters shadow	14 10 19 A.	14 9 19 A.	14 8 19 A.	14 7 19 A.
Middle of eclipse	14 11 46 A.	14 10 46 A.	14 9 46 A.	14 8 46 A.
Moon leaves shadow	15 1 12 M.	15 0 12 M.	14 11 12 A.	14 10 12 A.
Moon leaves penumbra	15 2 13 M.	15 1 13 M.	15 0 13 M.	14 11 13 A.

First contact of shadow, 40 degrees from the north point of the Moon's limb toward the east.

Magnitude of eclipse, 0.8 (Moon's diameter, 1.0).

IV. AN ANNULAR ECLIPSE OF THE SUN, July 30. Invisible. Visible to Australia, New Zealand, East Indies and the Philippine Islands.

V. A PARTIAL ECLIPSE OF THE SUN, December 24. Invisible. Small and unimportant. Visible in the Southern Ocean.

The Calendars for the Latitude of Boston and Chicago

May be used for Central and Southern New England, Central New York, Southern Michigan, Southern Wisconsin, Northern Iowa, Northern Nebraska, South Dakota, and Wyoming.

The Calendars for the Latitude of New York and Philadelphia

May be used for Southern New York, New Jersey, Pennsylvania, Northern Ohio, Northern Indiana, Northern Illinois, Southern Iowa, and Southern Nebraska.

The Calendars for the Latitude of Washington, Cincinnati, etc.

May be used for Delaware, Maryland, the Virginias, Southern Ohio, Southern Indiana, Southern Illinois, Kentucky, Missouri, Kansas, and Colorado.

THE SIZE OF THE SEAS.

	Miles Long
Mediterranean.....	2,000
Caribbean.....	1,800
Red.....	1,400
Black.....	932
Baltic.....	600

AREA OF OCEANS IN SQUARE MILES.

Pacific.....	70,000,000
Atlantic.....	35,000,000
Indian.....	23,000,000
Southern.....	7,000,000
Arctic.....	4,000,000

SIZE OF THE GREAT LAKES.

	Miles Long.	Miles Wide.
Superior.....	380	120
Michigan.....	330	60
Ontario.....	170	40
Champlain.....	123	12
Erie.....	270	50
Huron.....	250	90
Winnipeg.....	240	40
Athabaska.....	200	20



JANUARY

MOON'S PHASES. (In Standard Time.)

NEW MOON
FIRST QUARTER
FULL MOON
LAST QUARTER.....

EASTERN DIVISION.

4d. 11h. 45m. P.M.
11d. 10h. 38m. P.M.
20d. 3h. 29m. A.M.
27d. 7h. 35m. P.M.

CENTRAL DIVISION.

4d. 10h. 45m. P.M.
11d. 9h. 38m. P.M.
20d. 2h. 29m. A.M.
27d. 6h. 35m. P.M.

1916		LATITUDE OF BOSTON AND CHICAGO.			LATITUDE OF NEW YORK AND PHILADELPHIA.			LAT. OF WASH. CIN. & ST. LOUIS.		
D. of M.	Day of Wk.	Local Mean Time.	SUN R. & S.	MOON R. & S.	Local Mean Time.	SUN R. & S.	MOON R. & S.	Local Mean Time.	SUN R. & S.	MOON R. & S.
1	SA.	r7 30	3 32	7 12	r7 24	3 27	4 9	r7 19	3 22	
2	S	s4 39	4 50	8 19	s4 43	4 44	5 16	s4 48	4 38	
3	Mo.	r7 30	6 4	9 26	r7 25	5 57	6 24	r7 19	5 50	
4	Tu.	s4 40	sets	10 31	s4 45	sets	7 27	s4 50	sets	
5	We.	r7 30	5 21	11 28	r7 25	5 26	8 23	r7 19	5 33	
6	Th.	s4 42	6 42	.....	s4 47	6 46	9 19	s4 52	6 51	
7	Fr.	r7 30	8 1	0 46	r7 25	8 4	10 7	r7 19	8 7	
8	SA.	s4 44	9 15	1 33	s4 49	9 16	10 50	s4 54	9 18	
9	S	r7 29	10 26	2 18	r7 25	10 26	11 35	r7 19	10 26	
10	Mo.	s4 46	11 34	3 1	s4 51	11 32	.....	s4 56	11 32	
11	Tu.	r7 29	morn	3 44	r7 24	morn	0 43	r7 19	morn	
12	We.	s4 48	0 40	4 32	s4 53	0 37	1 31	s4 58	0 35	
13	Th.	r7 28	1 45	5 25	r7 24	1 41	2 23	r7 18	1 37	
14	Fr.	s4 50	2 49	6 20	s4 55	2 44	3 18	s5 0	2 39	
15	SA.	r7 28	3 51	7 17	r7 23	3 45	4 14	r7 18	3 39	
16	S	s4 53	4 49	8 15	s4 57	4 43	5 12	s5 2	4 36	
17	Mo.	r7 27	5 42	9 8	r7 22	5 35	6 6	r7 17	5 28	
18	Tu.	s4 55	6 29	9 59	s4 59	6 23	6 57	s5 4	6 16	
19	We.	r7 26	rises	10 46	r7 21	rises	7 41	r7 16	rises	
20	Th.	s4 57	5 24	11 26	s5 2	5 28	8 20	s5 6	5 34	
21	Fr.	r7 25	6 29	.....	r7 20	6 32	9 4	r7 15	6 36	
22	SA.	s5 0	7 34	0 25	s5 4	7 36	9 41	s5 8	7 38	
23	S	r7 23	8 38	1 1	r7 19	8 39	10 17	r7 14	8 40	
24	Mo.	s5 2	9 44	1 39	s5 6	9 43	10 53	s5 11	9 44	
25	Tu.	r7 22	10 52	2 18	r7 17	10 50	11 33	r7 13	10 49	
26	We.	s5 5	morn	2 58	s5 9	11 59	.....	s5 13	11 56	
27	Th.	r7 21	0 2	3 44	r7 16	morn	0 42	r7 12	morn	
28	Fr.	s5 7	1 15	4 38	s5 11	1 10	1 36	s5 15	1 6	
29	SA.	r7 19	2 30	5 42	r7 14	2 24	2 40	r7 10	2 18	
30	S	s5 10	3 43	6 54	s5 14	3 37	3 51	s5 17	3 30	
31	Mo.	r7 17	4 50	8 8	r7 13	4 43	5 5	r7 9	4 36	



FEBRUARY

MOON'S PHASES. (In Standard Time).		EASTERN DIVISION.		CENTRAL DIVISION.	
NEW MOON.....	3d. 11h. 6m. A.M.	3d. 10h. 6m. A.M.		3d. 10h. 6m. A.M.	
FIRST QUARTER.....	10d. 5h. 20m. P.M.	10d. 4h. 20m. P.M.		10d. 4h. 20m. P.M.	
FULL MOON.....	18d. 9h. 29m. P.M.	18d. 8h. 29m. P.M.		18d. 8h. 29m. P.M.	
LAST QUARTER.....	26d. 4h. 24m. A.M.	26d. 3h. 24m. A.M.		26d. 3h. 24m. A.M.	

1916		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
Do.	Mo.	Local Mean Time.		Boston Tide.		Local Mean Time.		N. Y. Tide.		Local Mean Time.		N. Y. Tide.	
Wk.		SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON
		R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.
1 Tu.	7 16	5 48	9 17	7 12	5 42	6 16	7 8	5 35					
2 We.	5 14	6 34	10 19	5 17	6 29	7 16	5 21	6 23					
3 Th.	7 14	sets	11 12	7 10	sets	8 7	7 6	sets					
4 Fr.	5 16	6 48	11 58	5 20	6 50	8 55	5 23	6 53					
5 Sa.	7 11	8 2	0 20	7 8	8 2	9 39	7 5	8 4					
6 Su.	5 19	9 13	1 2	5 22	9 12	10 19	5 26	9 12					
7 Mo.	7 9	10 22	1 43	7 6	10 20	10 58	7 3	10 18					
8 Tu.	5 21	11 30	2 25	5 25	11 26	11 41	5 28	11 23					
9 We.	7 7	morn	3 6	7 4	morn	0 4	7 1	morn					
10 Th.	5 24	0 36	3 53	5 27	0 31	0 52	5 30	0 26					
11 Fr.	7 4	1 41	4 45	7 1	1 35	1 44	7 58	1 29					
12 Sa.	5 27	2 42	5 45	5 29	2 36	2 43	5 32	2 29					
13 Su.	7 2	3 37	6 46	7 59	3 30	3 43	7 56	3 23					
14 Mo.	5 29	4 24	7 46	5 32	4 18	4 43	5 35	4 11					
15 Tu.	7 58	5 6	8 42	7 56	5 0	5 40	7 54	4 54					
16 We.	5 32	5 41	9 33	5 34	5 36	6 31	5 37	5 31					
17 Th.	7 56	6 9	10 18	7 53	6 5	7 15	7 51	6 1					
18 Fr.	5 34	6 34	11 0	5 37	6 31	7 53	5 39	6 29					
19 Sa.	7 54	rises	11 36	7 51	rises	8 32	7 49	rises					
20 Su.	5 37	7 35	.....	5 39	7 35	9 11	5 42	7 36					
21 Mo.	7 51	8 42	0 30	7 48	8 40	9 47	7 46	8 40					
22 Tu.	5 39	9 53	1 8	5 42	9 50	10 24	5 44	9 48					
23 We.	7 48	11 5	1 49	7 45	11 11	4	7 43	10 57					
24 Th.	5 42	morn	2 33	5 44	morn	11 54	5 48	morn					
25 Fr.	7 45	0 19	3 23	7 43	0 14	0 21	7 41	0 8					
26 Sa.	5 44	1 32	4 22	5 46	1 26	1 21	5 48	1 19					
27 Su.	7 42	2 40	5 32	7 40	2 33	2 30	7 38	2 26					
28 Mo.	5 47	3 39	6 49	5 49	3 33	3 46	5 50	3 26					
29 Tu.	7 38	4 27	8 2	7 37	4 21	4 53	7 35	4 16					



MARCH

MOON'S PHASES. (In Standard Time).		EASTERN DIVISION.		CENTRAL DIVISION.	
NEW MOON.....	3d. 10h. 58m. P.M.	3d. 9h. 58m. P.M.		3d. 9h. 58m. P.M.	
FIRST QUARTER.....	11d. 1h. 33m. P.M.	11d. 0h. 33m. P.M.		11d. 0h. 33m. P.M.	
FULL MOON.....	19d. 0h. 27m. P.M.	19d. 11h. 27m. A.M.		19d. 11h. 27m. A.M.	
LAST QUARTER.....	26d. 11h. 22m. A.M.	26d. 10h. 22m. A.M.		26d. 10h. 22m. A.M.	

1916		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
Do.	Mo.	Local Mean Time.		Boston Tide.		Local Mean Time.		N. Y. Tide.		Local Mean Time.		N. Y. Tide.	
Wk.		SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON
		R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.
1 We.	7 37	5 6	9 6	7 35	5 1	6 4	7 34	4 58					
2 Th.	5 51	5 37	10 1	5 52	5 34	6 59	5 53	5 32					
3 Fr.	7 34	6 4	10 49	7 32	6 2	7 43	7 31	6 1					
4 Sa.	5 53	sets	11 31	5 54	sets	8 26	5 55	sets					
5 Su.	7 30	7 59	.....	7 29	7 57	9 8	7 28	7 57					
6 Mo.	5 55	9 10	0 29	5 56	9 7	9 48	5 57	9 5					
7 Tu.	7 27	10 18	1 10	7 26	10 14	10 27	7 25	10 10					
8 We.	5 58	11 24	1 52	5 59	11 19	11 7	5 59	11 13					
9 Th.	7 24	morn	2 35	7 23	morn	11 54	7 22	morn					
10 Fr.	5 0	0 27	3 21	5 1	0 21	0 19	5 2	0 15					
11 Sa.	7 20	1 26	4 14	7 19	1 19	1 13	7 19	1 13					
12 Su.	5 2	2 18	5 13	5 3	2 11	2 11	5 4	2 4					
13 Mo.	7 17	3 2	6 13	7 16	2 56	3 11	7 16	2 49					
14 Tu.	5 6	3 39	7 14	5 6	3 34	4 11	5 6	3 28					
15 We.	7 13	4 10	8 8	7 13	4 5	5 5	7 13	4 1					
16 Th.	5 6	4 36	8 58	5 6	7 4	33	5 56	8 4	30				
17 Fr.	7 10	5 0	9 44	7 10	4 58	6 42	7 10	4 57					
18 Sa.	5 6	5 22	10 26	5 6	5 21	7 22	5 10	5 21					
19 Su.	7 6	rises	11 5	7 6	rises	7 58	7 6	rises					
20 Mo.	5 12	7 39	11 42	5 12	7 37	8 39	5 11	7 35					
21 Tu.	7 3	8 53	0 2	7 3	8 49	9 20	7 3	8 46					
22 We.	5 14	10 8	0 44	5 14	10 3	10 4	5 13	9 58					
23 Th.	7 59	11 22	1 29	7 6	11 16	10 48	7 6	11 10					
24 Fr.	5 16	morn	2 19	5 16	morn	11 42	5 15	morn					
25 Sa.	7 56	0 31	3 15	7 56	0 25	0 12	7 57	0 18					
26 Su.	5 18	1 33	4 18	5 18	1 27	1 18	5 17	1 20					
27 Mo.	7 52	2 24	5 30	7 53	2 18	2 28	7 54	2 12					
28 Tu.	5 20	3 5	6 42	5 20	3 0	3 40	5 19	2 55					
29 We.	7 49	3 39	7 48	7 50	3 35	4 44	7 51	3 32					
30 Th.	5 23	4 7	8 45	5 22	4 5	5 42	5 21	4 3					
31 Fr.	7 45	4 31	9 34	7 46	4 30	6 33	7 47	4 30					



APRIL



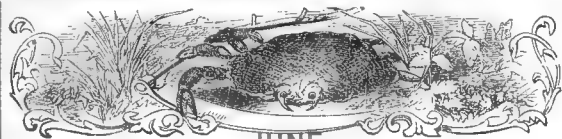
MAY

MOON'S PHASES. (In Standard Time).	EASTERN DIVISION.	CENTRAL DIVISION.
NEW MOON.....	2d. 11h. 21m. A.M.	2d. 10h. 21m. A.M.
FIRST QUARTER.....	rod. 9h. 36m. A.M.	rod. 8h. 36m. A.M.
FULL MOON.....	18d. oh. 7m. A.M.	17d. 11h. 7m. P.M.
LAST QUARTER.....	24d. 5h. 38m. P.M.	24d. 4h. 38m. P.M.

1916		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
Dom.	Day of W'k.	Local Mean Time.		Boston Tide.	Mooring	Local Mean Time.		N. Y. Tide.	Mooring	Local Mean Time.		N. Y. Tide.	Mooring
		SUN	MOON			SUN	MOON			SUN	MOON		
		R. & S.	R. & S.			R. & S.	R. & S.			R. & S.	R. & S.		
1 Sa.	1	5 44	4 53	10 21	5 45	4 53	7 17	5 46	4 55				
2 S	2	5 26	5 16	11 1	5 25	5 18	7 55	5 24	5 20				
3 Mo.	3	5 40	sets	11 39	5 41	sets	8 35	5 43	sets				
4 Tu.	4	5 28	9 7		5 27	9 2	9 18	5 26	8 57				
5 We.	5	5 37	10 13	0 40	5 38	10 7	9 59	5 40	10 1				
6 Th.	6	5 31	11 14	1 23	5 29	11 8	10 42	5 28	11 1				
7 Fr.	7	5 33	morn	2 8	5 35	morn	11 26	5 37	11 56				
8 Sa.	8	5 33	0 9	2 55	5 31	0 2			morn				
9 S	9	5 30	0 56	3 45	5 32	0 50	0 44	5 34	0 43				
10 Mo.	10	5 35	1 35	4 38	5 33	1 29	1 37	5 32	1 23				
11 Tu.	11	5 27	2 8	5 35	5 28	2 3	2 33	5 30	1 58				
12 We.	12	5 37	2 36	6 33	5 36	2 32	3 30	5 33	2 29				
13 Th.	13	5 23	3 1	7 26	5 25	2 58	4 22	5 27	2 57				
14 Fr.	14	5 40	3 23	8 16	5 38	3 21	5 13	5 35	3 21				
15 Sa.	15	5 20	3 45	9 2	5 22	3 45	6 0	5 24	3 46				
16 S	16	5 42	4 7	9 47	5 40	4 8	6 45	5 37	4 11				
17 Mo.	17	5 17	4 32	10 33	5 19	4 34	7 29	5 22	4 38				
18 Tu.	18	5 44	rises	11 16	5 42	rises	8 10	5 39	rises				
19 We.	19	5 14	9 6		5 16	9 0	8 58	5 19	8 55				
20 Th.	20	5 46	10 20	0 25	5 44	10 14	9 49	5 41	10 7				
21 Fr.	21	5 11	11 26	1 18	5 13	11 20	10 40	5 16	11 13				
22 Sa.	22	5 48	morn	2 13	5 46	morn	11 38	5 43	morn				
23 S	23	5 8	0 21	3 12	5 10	0 15	0 9	5 13	0 9				
24 Mo.	24	5 51	1 5	4 13	5 48	1 0	1 12	5 45	0 55				
25 Tu.	25	5 5	1 40	5 18	5 8	1 36	2 17	5 11	1 33				
26 We.	26	5 53	2 8	6 22	5 50	2 5	3 20	5 47	2 4				
27 Th.	27	5 2	2 33	7 20	5 5	2 32	4 17	5 8	2 31				
28 Fr.	28	5 55	2 56	8 13	5 52	2 56	5 11	5 49	2 57				
29 Sa.	29	5 59	3 19	9 3	5 2	3 20	6 1	5 6	3 22				
30 S	30	5 57	3 43	9 49	5 54	3 45	6 46	5 51	3 49				

MOON'S PHASES. (In Standard Time).	EASTERN DIVISION.	CENTRAL DIVISION.
NEW MOON.....	2d. oh. 29m. A.M.	1d. 11h. 29m. P.M.
FIRST QUARTER.....	rod. 3h. 47m. A.M.	rod. 2h. 47m. A.M.
FULL MOON.....	17d. 9h. 11m. A.M.	17d. 8h. 11m. A.M.
LAST QUARTER.....	24d. oh. 16m. A.M.	23d. 11h. 16m. P.M.
NEW MOON.....	31d. 2h. 37m. P.M.	31d. 1h. 37m. P.M.

1916		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
Dom.	Day of W'k.	Local Mean Time.		Boston Tide.	Mooring	Local Mean Time.		N. Y. Tide.	Mooring	Local Mean Time.		N. Y. Tide.	Mooring
		SUN	MOON			SUN	MOON			SUN	MOON		
		R. & S.	R. & S.			R. & S.	R. & S.			R. & S.	R. & S.		
1 Mo.	1	5 4	9 10	32	5 4	9 10	4 13	7 28	5 3	4 17			
2 Tu.	2	5 59	sets	11 13	5 56	sets	8 8	5 52	sets				
3 We.	3	5 53	9 1	11 55	5 57	8 55	8 51	5 1	8 49				
4 Th.	4	5 7	2 9	5 58	0 16	5 58	9 52	9 36	5 54	9 45			
5 Fr.	5	5 4	5 10	49	0 59	5 44	10 43	10 18	5 48	10 36			
6 Sa.	6	5 7	4 11	31	1 45	5 7	0 11	25	11 2	5 56	11 19		
7 S	7	5 4	48	morn	2 30	5 42	morn	11 49	5 46	11 56			
8 Mo.	8	5 7	6 0	6	8 16	5 8	0 1	0 14	5 58	morn			
9 Tu.	9	5 4	46	0 36	4 3	5 40	0 32	1 2	5 44	0 29			
10 We.	10	5 7	8 1	2	4 53	5 7	0 59	1 52	5 7	0 57			
11 Th.	11	5 4	43	1 25	5 45	5 47	1 23	2 43	5 42	1 22			
12 Fr.	12	5 7	10	1 46	6 38	5 7	1 45	3 35	5 7	2 1 45			
13 Sa.	13	5 4	41	2 8	7 29	5 45	2 8	4 26	5 40	2 10			
14 S	14	5 7	13	2 31	8 21	5 7	2 33	5 17	5 7	4 2 35			
15 Mo.	15	5 4	39	2 57	9 11	5 43	3 0	6 9	5 48	3 4			
16 Tu.	16	5 7	15	3 28	10 3	5 10	3 32	7 1	5 7	6 3 38			
17 We.	17	5 4	37	rises	10 55	5 42	rises	7 49	5 46	7 8	rises		
18 Th.	18	5 7	17	9 9	11 47	5 12	9 3	8 44	5 7	7 8 56			
19 Fr.	19	5 4	35	10 12	0 14	5 40	10 6	9 40	5 44	9 59			
20 Sa.	20	5 7	19	11 3	1 10	5 14	10 58	10 34	5 7	9 10 52			
21 S	21	5 4	33	11 42	2 7	5 38	11 38	11 30	5 43	11 34			
22 Mo.	22	5 7	21	morn	3 3	5 16	morn		5 7	11	morn		
23 Tu.	23	5 4	32	0 12	3 57	5 36	0 9	0 56	5 41	0 7			
24 We.	24	5 7	23	0 37	4 53	5 18	0 35	1 52	5 13	0 35			
25 Th.	25	5 4	30	1 1	5 50	5 35	1 1	2 48	5 40	1 1			
26 Fr.	26	5 7	24	1 24	6 45	5 19	1 25	3 42	5 14	1 27			
27 Sa.	27	5 4	28	1 47	7 38	5 4	1 49	4 35	5 39	1 52			
28 S	28	5 7	26	2 11	8 29	5 21	2 14	5 26	5 16	2 19			
29 Mo.	29	5 4	28	2 39	9 18	5 33	2 43	6 16	5 38	2 49			
30 Tu.	30	5 7	28	3 12	10 7	5 23	3 17	7 4	5 17	3 24			
31 We.	31	5 4	26	3 52	10 52	5 32	3 58	7 46	5 37	4 5			



JUNE

MOON'S PHASES. (in Standard Time).			EASTERN DIVISION.			CENTRAL DIVISION.		
FIRST QUARTER.....	8d.	6h. 59m. P.M.	8d.	5h. 59m. P.M.		8d.	5h. 59m. P.M.	
FULL MOON.....	15d.	4h. 42m. P.M.	15d.	3h. 42m. P.M.		15d.	3h. 42m. P.M.	
LAST QUARTER.....	22d.	8h. 16m. A.M.	22d.	7h. 16m. A.M.		22d.	7h. 16m. A.M.	
NEW MOON.....	30d.	5h. 43m. A.M.	30d.	4h. 43m. A.M.		30d.	4h. 43m. A.M.	

1916		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D.O.M.	Day of Wk.	Local Mean Time.		Boston Tide.	Morning.	Local Mean Time.		N. Y. Tide.	Morning.	Local Mean Time.		Sun R. & S.	Moon R. & S.
		SUN	MOON			SUN	MOON			SUN	MOON		
1 Th.	r4	26	8 43	11 34		r4	31	8 37	8 30	r4	36	8 30	
2 Fr.	s7	30	9 28	.....		s7	25	9 22	9 16	s7	19	9 16	
3 Sa.	r4	25	10 7	0 40		r4	30	10 2	9 59	r4	36	9 56	
4 S.	s7	32	10 38	1 22		s7	26	10 34	10 38	s7	21	10 29	
5 Mo.	r4	24	11 4	2 4		r4	29	11 1	11 19	r4	35	10 58	
6 Tu.	s7	33	11 28	2 45		s7	28	11 26	.....	s7	22	11 24	
7 We.	r4	23	11 50	3 26		r4	29	11 49	0 24	r4	34	11 49	
8 Th.	s7	34	morn	4 10		s7	29	morn	1 9	s7	23	morn	
9 Fr.	r4	23	0 11	4 57		r4	28	0 11	1 55	r4	34	0 12	
10 Sa.	s7	35	0 32	5 47		s7	30	0 33	2 45	s7	24	0 35	
11 S.	r4	22	0 55	6 44		r4	28	0 57	3 41	r4	34	1 1	
12 Mo.	s7	36	1 23	7 42		s7	31	1 27	4 38	s7	25	1 31	
13 Tu.	r4	22	1 58	8 41		r4	28	2 3	5 39	r4	34	2 9	
14 We.	s7	37	2 42	9 43		s7	32	2 48	6 41	s7	26	2 55	
15 Th.	r4	22	rises	10 43		r4	28	rises	7 38	r4	34	rises	
16 Fr.	s7	38	8 51	11 39		s7	33	8 45	8 35	s7	27	8 39	
17 Sa.	r4	22	9 35	0 7		r4	28	9 30	9 33	r4	34	9 26	
18 S.	s7	39	10 11	1 1		s7	33	10 7	10 24	s7	27	10 5	
19 Mo.	r4	23	10 41	1 53		r4	28	10 39	11 13	r4	34	10 38	
20 Tu.	s7	40	11 6	2 43		s7	34	11 5	.....	s7	28	11 5	
21 We.	r4	23	11 29	3 29		r4	28	11 30	0 28	r4	34	11 31	
22 Th.	s7	40	11 52	4 19		s7	34	11 54	1 18	s7	28	11 57	
23 Fr.	r4	23	morn	5 12		r4	29	morn	2 10	r4	35	morn	
24 Sa.	s7	40	0 16	6 7		s7	35	0 19	3 4	s7	29	0 23	
25 S.	r4	24	0 42	7 2		r4	29	0 46	3 59	r4	35	0 51	
26 Mo.	s7	40	1 13	7 59		s7	35	1 18	4 55	s7	29	1 24	
27 Tu.	r4	25	1 50	8 53		r4	30	1 56	5 50	r4	36	2 3	
28 We.	s7	40	2 33	9 44		s7	35	2 39	6 42	s7	29	2 47	
29 Th.	r4	25	sets	10 32		r4	31	sets	7 28	r4	37	sets	
30 Fr.	s7	40	8 7	11 15		s7	35	8 1	8 11	s7	29	7 55	



JULY

MOON'S PHASES. (in Standard Time).			EASTERN DIVISION.			CENTRAL DIVISION.		
FIRST QUARTER.....	8d.	6h. 55m. A.M.	8d.	5h. 55m. A.M.		8d.	5h. 55m. A.M.	
FULL MOON.....	14d.	11h. 40m. P.M.	14d.	10h. 40m. P.M.		14d.	10h. 40m. P.M.	
LAST QUARTER.....	21d.	6h. 33m. P.M.	21d.	5h. 33m. P.M.		21d.	5h. 33m. P.M.	
NEW MOON.....	29d.	9h. 15m. P.M.	29d.	8h. 15m. P.M.		29d.	8h. 15m. P.M.	

1916		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D.O.M.	Day of Wk.	Local Mean Time.		Boston Tide.	Morning.	Local Mean Time.		N. Y. Tide.	Morning.	Local Mean Time.		Sun R. & S.	Moon R. & S.
		SUN	MOON			SUN	MOON			SUN	MOON		
1 Sa.	r4	26	8 39	11 56		r4	32	8 34	8 54	r4	38	8 29	
2 S.	s7	40	9 7	0 16		s7	35	9 3	9 35	s7	29	9 0	
3 Mo.	r4	27	9 32	0 56		r4	33	9 29	10 12	r4	39	9 28	
4 Tu.	s7	40	9 54	1 34		s7	34	9 52	10 47	s7	29	9 52	
5 We.	r4	28	10 15	2 11		r4	34	10 15	11 25	r4	40	10 15	
6 Th.	s7	39	10 36	2 48		s7	34	10 37	.....	s7	28	10 39	
7 Fr.	r4	29	10 58	3 29		r4	35	11 0	0 27	r4	41	11 3	
8 Sa.	s7	39	11 23	4 14		s7	33	11 26	1 13	s7	28	11 30	
9 S.	r4	31	11 53	5 7		r4	37	11 57	2 5	r4	42	morn	
10 Mo.	s7	38	morn	6 7		s7	32	morn	3 5	s7	27	0 3	
11 Tu.	r4	33	0 31	7 14		r4	38	0 36	4 11	r4	43	0 43	
12 We.	s7	37	1 20	8 23		s7	32	1 26	5 20	s7	26	1 34	
13 Th.	r4	34	2 21	9 31		r4	39	2 27	6 29	r4	45	2 35	
14 Fr.	s7	36	rises	10 34		s7	31	rises	7 30	s7	25	rises	
15 Sa.	r4	36	8 6	11 28		r4	41	8 2	8 23	r4	46	7 59	
16 S.	s7	34	8 39	.....		s7	30	8 36	9 17	s7	24	8 34	
17 Mo.	r4	37	9 6	0 43		r4	42	9 5	10 4	r4	47	9 4	
18 Tu.	s7	33	9 31	1 30		s7	28	9 31	10 47	s7	23	9 32	
19 We.	r4	39	9 55	2 14		r4	44	9 56	11 31	r4	49	9 59	
20 Th.	s7	32	10 19	2 58		s7	27	10 22	.....	s7	22	10 25	
21 Fr.	r4	41	10 45	3 44		r4	45	10 49	0 43	r4	51	10 54	
22 Sa.	s7	30	11 14	4 35		s7	25	11 19	1 34	s7	20	11 25	
23 S.	r4	43	11 49	5 30		r4	47	11 55	2 28	r4	52	morn	
24 Mo.	s7	28	morn	6 29		s7	24	morn	3 27	s7	19	0 2	
25 Tu.	r4	44	0 31	7 30		r4	49	0 37	4 27	r4	54	0 45	
26 We.	s7	27	1 20	8 28		s7	22	1 26	5 25	s7	17	1 34	
27 Th.	r4	46	2 14	9 22		r4	51	2 20	6 20	r4	56	2 28	
28 Fr.	s7	25	3 12	10 10		s7	20	3 18	7 8	s7	16	3 24	
29 Sa.	r4	48	4 13	10 53		r4	53	4 18	7 48	r4	57	4 24	
30 S.	s7	22	sets	11 31		s7	18	sets	8 27	s7	14	sets	
31 Mo.	r4	50	7 59	.....		r4	55	7 57	9 6	r4	59	7 56	



AUGUST

MOON'S PHASES. (In Standard Time.)		EASTERN DIVISION.		CENTRAL DIVISION.	
FIRST QUARTER	6d.	4h.	6m. P.M.	6d.	3h. 6m. P.M.
FULL MOON	13d.	7h.	0m. A.M.	13d.	6h. 0m. A.M.
LAST QUARTER	20d.	7h.	53m. A.M.	20d.	6h. 53m. A.M.
NEW MOON	28d.	0h.	25m. P.M.	28d.	11h. 25m. A.M.

1916	LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
	Local Mean Time.		Boston Tide.		Local Mean Time.		N. Y. Tide.		Local Mean Time.		N. Y. Tide.	
	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON
	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.
1 Tu.	51	8 20	0 26	5 56	8 19	9 42	5 0	8 19				
2 We.	19	8 41	1 1	5 15	8 41	10 15	5 7	11 8	43			
3 Th.	53	9 3	1 37	5 58	9 5	10 51	5 2	9 7				
4 Fr.	17	9 26	2 16	5 13	9 29	11 31	5 7	9 33				
5 Sa.	55	9 53	2 56	5 59	9 57	....	5 4	10 2				
6 S.	14	10 27	3 42	5 10	10 32	0 41	5 7	6 10	38			
7 Mo.	58	11 10	4 37	5 1	11 16	1 36	5 5	11 23				
8 Tu.	57	12 morn	5 45	5 7	8 morn	2 43	5 4	morn				
9 We.	5	0 0	3 6	5 58	5 3	0 9	3 55	5 7	0 17			
10 Th.	57	9 1	9 8	13	5 7	5 15	5 9	5 7	2 1	23		
11 Fr.	5	2 25	9 10	5 5	2 31	6 18	5 9	2 37				
12 Sa.	57	6 3	4 7	10 20	5 3	3 51	7 17	5 59	3 57			
13 S.	5	4 rises	11 12	5 7	rises	8 5	5 11	rises				
14 Mo.	57	3 7	3 11	11 55	7 0	7 30	8 53	5 57	7 31			
15 Tu.	5	6 7	5 55	0 17	5 9	7 56	9 37	5 13	7 57			
16 We.	57	0 8	2 0	5 58	8 22	10 18	5 54	8 25				
17 Th.	5	8 8	4 47	1 43	5 11	8 50	10 59	5 14	8 55			
18 Fr.	56	57	9 16	2 27	5 54	9 20	11 45	5 52	9 26			
19 Sa.	55	10 9	5 50	3 11	5 13	9 55	0 10	5 16	10 2			
20 S.	56	54	10 30	4 2	5 52	10 36	1 2	5 49	10 43			
21 Mo.	55	13	11 15	4 59	5 15	11 21	1 58	5 18	11 29			
22 Tu.	56	51	morn	6 1	5 49	morn	2 58	5 46	morn			
23 We.	55	15	0 6	7 3	5 17	0 12	4 0	5 20	0 20			
24 Th.	56	48	1 4	8 2	5 46	1 10	4 53	5 43	1 17			
25 Fr.	55	17	2 5	8 54	5 19	2 10	5 52	5 22	2 16			
26 Sa.	56	45	3 7	9 40	5 43	3 11	6 39	5 40	3 16			
27 S.	55	19	4 10	10 23	5 21	4 13	7 19	5 24	4 17			
28 Mo.	56	42	sets	11 1	5 40	sets	7 56	5 38	sets			
29 Tu.	55	21	6 48	11 36	5 23	6 48	8 32	5 25	6 49			
30 We.	56	39	7 8	....	5 37	7 9	9 10	5 34	7 11			
31 Th.	55	23	7 31	0 29	5 25	7 33	9 46	5 27	7 37			



SEPTEMBER

MOON'S PHASES. (In Standard Time).		EASTERN DIVISION.		CENTRAL DIVISION.	
FIRST QUARTER.....	4d. 11h. 26m. P.M.	4d. 10h. 26m. P.M.			
FULL MOON.....	11d. 3h. 31m. P.M.	11d. 2h. 31m. P.M.			
LAST QUARTER.....	19d. 0h. 35m. A.M.	18d. 11h. 35m. P.M.			
NEW MOON.....	27d. 2h. 34m. A.M.	27d. 1h. 34m. A.M.			

1916	LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
	Local Mean Time.		Boston Tide.		Local Mean Time.		N. Y. Tide.		Local Mean Time.		N. Y. Tide.	
	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON
	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.
1 Fr.	5 24	7 57	1 8	5 26	8 1	10 24	5 28	8 5				
2 Sa.	56	33	8 29	1 48	5 32	8 34	11 5	5 30	8 40			
3 S.	5 26	9 9	2 33	5 28	9 15	11 54	5 30	9 22				
4 Mo.	56	30	9 57	3 24	5 28	10 3	0 22	5 27	10 11			
5 Tu.	5 28	10 56	4 24	5 30	11 2	1 23	5 32	11 10				
6 We.	56	27	morn	5 35	5 25	morn	2 33	5 24	morn			
7 Th.	5 30	0 6	6 51	5 32	0 12	3 48	5 33	0 19				
8 Fr.	56	23	1 22	8 1	5 22	1 27	4 58	5 20	1 33			
9 Sa.	5 33	2 41	9 4	5 34	2 45	6 2	5 35	2 49				
10 S.	56	20	3 59	9 58	5 18	4 1	6 56	5 17	4 4			
11 Mo.	5 35	5 16	10 46	5 36	5 17	7 41	5 37	5 19				
12 Tu.	56	16	rises	11 28	5 15	rises	8 23	5 14	rises			
13 We.	5 37	6 46	....	5 38	6 49	9 8	5 39	6 52				
14 Th.	56	13	7 15	0 31	5 12	7 19	9 50	5 11	7 24			
15 Fr.	5 39	7 48	1 13	5 40	7 53	10 31	5 41	7 59				
16 Sa.	56	9	8 25	1 58	5 9	8 31	11 15	5 8	8 38			
17 S.	5 41	9 8	2 45	5 42	9 14	....	5 42	9 22				
18 Mo.	56	6	9 58	3 35	5 5	10 4	0 34	5 5	10 12			
19 Tu.	5 43	10 54	4 30	5 44	11 0	1 29	5 44	11 7				
20 We.	56	21	11 54	5 29	5 2	11 59	2 27	5 6	1 morn			
21 Th.	5 45	morn	6 29	5 46	morn	3 26	5 46	0 6				
22 Fr.	5 59	0 56	7 25	5 59	1 0	4 22	5 58	1 6				
23 Sa.	5 47	1 59	8 17	5 48	2 2	5 15	5 48	2 7				
24 S.	5 55	3 2	9 3	5 55	3 4	6 1	5 55	3 8				
25 Mo.	5 50	4 5	9 46	5 50	4 6	6 44	5 50	4 9				
26 Tu.	5 52	5	9 10	5 52	5	9 7	5 52	5 10				
27 We.	5 52	sets	11 5	5 52	sets	7 59	5 51	sets				
28 Th.	5 48	6 2	11 42	5 48	6 5	8 38	5 49	6 9				
29 Fr.	5 54	6 33	0 1	5 54	6 37	9 20	5 53	6 43				
30 Sa.	5 45	7 10	0 43	5 45	7 15	10 3	5 45	7 22				



OCTOBER

MOON'S PHASES. (In Standard Time.)				EASTERN DIVISION.				CENTRAL DIVISION.			
FIRST QUARTER				4d.	6h.	om.	A.M.	4d.	5h.	om.	A.M.
FULL MOON				11d.	2h.	1m.	A.M.	11d.	1h.	1m.	A.M.
LAST QUARTER				18d.	8h.	gm.	P.M.	18d.	7h.	gm.	P.M.
NEW MOON				26d.	3h.	37m.	P.M.	26d.	2h.	37m.	P.M.
1916											
LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. GIN. & ST. LOUIS.			
Day	Local Mean Time.	Boston Tide.	Morning	Local Mean Time.	N. Y. Tide.	Morning	Local Mean Time.	Local Mean Time.	N. Y. Tide.	Morning	Local Mean Time.
D.O.M.	Day	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON
Wk.	Wk.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.
1	Mo.	5 56	7 55	1 30	5 56	8 11	10 50	5 55	8 8		
2	Mo.	5 41	8 51	2 21	5 42	8 57	11 43	5 42	9 5		
3	Tu.	5 58	9 58	3 16	5 58	10 2	0 14	5 57	10 9		
4	We.	5 38	11 8	4 20	5 38	11 13	1 19	5 39	11 20		
5	Th.	5 1	morn	5 28	5 0	11 3	2 26	5 59	morn		
6	Fr.	5 34	0 24	6 38	5 35	0 28	3 35	5 36	0 33		
7	Sa.	5 6	1 41	7 42	5 6	1 44	4 38	5 6	1 47		
8	Sa.	5 31	2 56	8 39	5 32	2 57	5 37	5 33	3 0		
9	Mo.	5 5	4 9	9 30	5 4	4 9	6 28	5 3	4 10		
10	Tu.	5 27	5 22	10 17	5 29	5 21	7 14	5 30	5 20		
11	We.	5 8	rises	11 1	5 6	rises	7 55	5 5	rises		
12	Th.	5 24	5 44	11 42	5 26	5 48	8 39	5 27	5 54		
13	Fr.	5 10	6 20	0 3	5 8	6 25	9 24	5 7	6 32		
14	Sa.	5 21	7 1	0 47	5 22	7 7	10 8	5 24	7 14		
15	Sa.	5 12	7 50	1 33	5 10	7 56	10 51	5 9	8 4		
16	Mo.	5 18	8 45	2 21	5 19	8 51	11 41	5 21	8 58		
17	Tu.	5 15	9 44	3 9	5 13	9 50	0 6	5 11	9 56		
18	We.	5 15	10 45	4 0	5 16	10 50	0 58	5 18	10 56		
19	Th.	5 17	11 47	4 53	5 15	11 51	1 51	5 13	11 56		
20	Fr.	5 11	morn	5 47	5 13	morn	2 45	5 16	morn		
21	Sa.	5 19	0 49	6 40	5 17	0 52	3 38	5 15	0 55		
22	Sa.	5 8	1 51	7 31	5 11	1 53	4 28	5 13	1 55		
23	Mo.	5 22	2 54	8 19	5 19	2 54	5 16	5 17	2 56		
24	Tu.	5 5	3 59	9 5	5 8	3 58	6 3	5 10	3 58		
25	We.	5 24	5 6	9 50	5 21	5 4	6 47	5 19	5 3		
26	Th.	5 3	6 15	10 34	5 6	6 12	7 29	5 8	6 9		
27	Fr.	5 26	sets	11 18	5 24	sets	8 13	5 21	sets		
28	Sa.	5 0	5 51	.....	5 2	5 57	9 2	5 5	6 4		
29	Sa.	5 29	6 44	0 28	5 26	6 50	9 52	5 23	6 58		
30	Mo.	5 47	7 48	1 20	5 0	7 54	10 43	5 3	8 1		
31	Tu.	5 31	9 0	2 16	5 28	9 5	11 39	5 26	9 12		



NOVEMBER

MOON'S PHASES. (In Standard Time.)				EASTERN DIVISION.				CENTRAL DIVISION.			
FIRST QUARTER				2d.	oh.	51m.	P.M.	2d.	11h.	51m.	A.M.
FULL MOON				9d.	3h.	18m.	P.M.	9d.	2h.	18m.	P.M.
LAST QUARTER				17d.	5h.	om.	P.M.	17d.	4h.	om.	P.M.
NEW MOON				25d.	3h.	50m.	A.M.	25d.	2h.	50m.	A.M.
1916											
LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. GIN. & ST. LOUIS.			
Day	Local Mean Time.	Boston Tide.	Morning	Local Mean Time.	N. Y. Tide.	Morning	Local Mean Time.	Local Mean Time.	N. Y. Tide.	Morning	Local Mean Time.
D.O.M.	Day	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON	SUN	MOON
Wk.	Wk.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.	R. & S.
1	We.	5 33	10 15	3 11	5 30	10 19	0 9	5 27	10 25		
2	Th.	5 53	11 30	4 11	5 56	11 33	1 10	5 59	11 37		
3	Fr.	5 35	morn	5 13	5 32	morn	2 11	5 29	morn		
4	Sa.	5 51	0 43	6 14	5 54	0 45	3 12	5 57	0 48		
5	Sa.	5 38	1 56	7 14	5 34	1 56	4 11	5 31	1 58		
6	Mo.	5 48	3 7	8 8	5 52	3 6	5 5	5 55	3 6		
7	Tu.	5 40	4 18	8 59	5 37	4 16	5 57	5 33	4 14		
8	We.	5 46	5 28	9 47	5 49	5 25	6 45	5 53	5 22		
9	Th.	5 43	rises	10 35	5 39	rises	7 31	5 36	rises		
10	Fr.	5 44	4 55	11 20	5 47	5 1	8 14	5 51	5 8		
11	Sa.	5 45	5 41	.....	5 42	5 47	9 2	5 38	5 55		
12	Sa.	5 42	6 34	0 26	5 45	6 40	9 47	5 49	6 48		
13	Mo.	5 48	7 32	1 12	5 44	7 38	10 30	5 40	7 45		
14	Tu.	5 40	8 32	1 57	5 44	8 37	11 13	5 48	8 43		
15	We.	5 50	9 33	2 42	5 46	9 37	.....	5 42	9 42		
16	Th.	5 38	10 35	3 26	5 42	10 38	0 24	5 46	10 42		
17	Fr.	5 53	11 37	4 11	5 49	11 39	1 10	5 44	11 42		
18	Sa.	5 36	morn	4 59	5 40	morn	1 57	5 45	morn		
19	Sa.	5 55	0 39	5 48	5 51	0 40	2 46	5 47	0 42		
20	Mo.	5 35	1 42	6 39	5 39	1 42	3 37	5 44	1 42		
21	Tu.	5 58	2 46	7 31	5 54	2 44	4 27	5 49	2 44		
22	We.	5 33	3 54	8 23	5 38	3 51	5 19	5 42	3 49		
23	Th.	5 7	0 5	9 15	5 56	5 2	6 13	5 51	4 58		
24	Fr.	5 32	6 19	10 8	5 37	6 14	7 5	5 41	6 9		
25	Sa.	5 7	sets	11 0	5 58	sets	7 55	5 53	sets		
26	Sa.	5 31	5 35	11 52	5 36	5 41	8 48	5 40	5 49		
27	Mo.	5 5	6 47	0 19	5 7	6 53	9 44	5 55	7 0		
28	Tu.	5 30	8 3	1 14	5 35	8 8	10 37	5 49	8 13		
29	We.	5 7	9 20	2 8	5 2	9 23	11 29	5 57	9 28		
30	Th.	5 29	10 36	2 59	5 34	10 38	.....	5 49	10 41		



DECEMBER

MOON'S PHASES. (In Standard Time).

FIRST QUARTER.....	1d.	8h. 55m. P.M.
FULL MOON.....	9d.	7h. 44m. A.M.
LAST QUARTER.....	17d.	1h. 6m. P.M.
NEW MOON.....	24d.	3h. 31m. P.M.
FIRST QUARTER.....	31d.	7h. 7m. A.M.

EASTERN DIVISION.

CENTRAL DIVISION.

1d.	7h. 55m. P.M.
9d.	6h. 44m. A.M.
17d.	oh. 6m. P.M.
24d.	2h. 31m. P.M.
31d.	6h. 7m. A.M.

1916

LATITUDE OF BOSTON AND CHICAGO.

LATITUDE OF NEW YORK AND PHILADELPHIA.

LAT. OF WASH. GIN. & ST. LOUIS.

DOYM.	Day of W'k.	Local Mean Time.		Boston Stand. Time.	Tide.	Local Mean Time.		N. Y. Stand. Time.	Tide.	Local Mean Time.		Sun R. & S.	Moon R. & S.
		SUN R. & S.	MOON R. & S.			SUN R. & S.	MOON R. & S.			SUN R. & S.	MOON R. & S.		
1	Fr.	7 9	11 48	3 51	7 4	11 49	0 50	7 59	11 51	7 59	11 51	7 59	11 51
2	Sa.	8 29	morn	4 46	8 34	morn	1 45	8 39	morn	8 39	morn	8 39	morn
3	Su.	9 11	0 58	5 43	9 6	0 58	2 41	9 1	0 58	9 1	0 58	9 1	0 58
4	Mo.	10 28	2 8	6 40	10 33	2 6	3 37	10 38	2 5	10 38	2 5	10 38	2 5
5	Tu.	11 13	3 17	7 36	11 8	3 14	4 32	11 3	3 12	11 3	3 12	11 3	3 12
6	We.	12 28	4 26	8 31	12 33	4 22	5 28	12 38	4 18	12 38	4 18	12 38	4 18
7	Th.	1 15	5 33	9 23	1 10	5 28	6 21	1 5	5 22	1 5	5 22	1 5	5 22
8	Fr.	2 28	6 37	10 14	2 33	6 31	7 11	2 38	6 25	2 38	6 25	2 38	6 25
9	Sa.	3 17	rises	11 1	3 12	rises	7 54	3 7	rises	3 7	rises	3 7	rises
10	Su.	4 28	5 21	11 45	4 33	5 27	8 41	4 38	5 34	4 38	5 34	4 38	5 34
11	Mo.	5 19	6 21	0 6	5 14	6 26	9 26	5 8	6 33	5 8	6 33	5 8	6 33
12	Tu.	6 28	7 23	0 48	6 33	7 27	10 7	6 39	7 33	6 39	7 33	6 39	7 33
13	We.	7 20	8 24	1 30	7 15	8 27	10 45	7 10	8 32	7 10	8 32	7 10	8 32
14	Th.	8 28	9 25	2 10	8 33	9 27	11 24	8 39	9 31	8 39	9 31	8 39	9 31
15	Fr.	9 22	10 26	2 48	9 17	10 27	.....	9 11	10 30	9 11	10 30	9 11	10 30
16	Sa.	10 29	11 27	3 28	10 34	11 27	0 27	10 40	11 28	10 40	11 28	10 40	11 28
17	Su.	11 23	morn	4 11	11 17	morn	1 10	11 13	morn	11 13	morn	11 13	morn
18	Mo.	12 29	0 29	4 58	12 35	0 28	1 56	12 40	0 28	12 40	0 28	12 40	0 28
19	Tu.	1 25	1 34	5 48	1 20	1 32	2 46	1 14	1 30	1 14	1 30	1 14	1 30
20	We.	2 30	2 41	6 45	2 35	2 38	3 43	2 41	2 35	2 41	2 35	2 41	2 35
21	Th.	3 26	3 52	7 45	3 21	3 47	4 42	3 15	3 43	3 15	3 43	3 15	3 43
22	Fr.	4 31	5 5	8 45	4 36	4 59	5 43	4 42	4 54	4 42	4 54	4 42	4 54
23	Sa.	5 27	6 17	9 47	5 21	6 11	6 44	5 16	6 4	5 16	6 4	5 16	6 4
24	Su.	6 32	sets	10 46	6 38	sets	7 42	6 43	sets	6 43	sets	6 43	sets
25	Mo.	7 28	5 39	11 42	7 22	5 44	8 38	7 17	5 51	7 17	5 51	7 17	5 51
26	Tu.	8 33	6 58	0 8	8 39	7 2	9 32	8 44	7 7	8 44	7 7	8 44	7 7
27	We.	9 28	8 17	1 0	9 23	8 20	10 22	9 18	8 23	9 18	8 23	9 18	8 23
28	Th.	10 35	9 34	1 50	10 40	9 35	11 9	10 45	9 38	10 45	9 38	10 45	9 38
29	Fr.	11 29	10 48	2 37	11 24	10 48	11 57	11 18	10 49	11 18	10 49	11 18	10 49
30	Sa.	12 36	11 59	3 24	12 42	11 58	0 22	12 46	11 57	12 46	11 57	12 46	11 57
31	Su.	1 29	morn	4 14	1 24	morn	1 13	1 19	morn	1 19	morn	1 19	morn

Cambridge.

2

Ther

Saturday, Jan. 1, 1916

Wea
Stormy

Raining or steeting most of forenoon,
snowing fitfully in afternoon. Dark Cloudy
all day. Ground now covered uniformly
with five or six inches of icy snow.
Sleighing excellent but not many fangs
out & almost no real sleighs.

In Garden: no birds whatever
save a few dejected looking House
Sparrows.

Spent day in Museum Superintending
work by Billcliffe, who was making
trifling changes or repairs, & of one
electrician, who came after luncheon
to slightly change the lighting system
in large rooms.

We had the usual reading of your
news, followed by a Victrola concert
in the hall this evening. C's eyes very
dim for past few days because of
looking too many Christmas cards
and letters.

The keeping of a diary serves to impress
one with the ever shorter lapses of declining years.

Cambridge.

Ther

Sunday, Jan. 2, 1916.

Wear
Stormy

Dark cloudy with snow or sleet falling at frequent intervals adding perhaps two inches of icy snow to that already blanketing the frozen ground. Sidewalks coated with glaze ice by nightfall. Altogether a gloomy & depressing, as well as disagreeably chilly, day.

In Garden: 5 Peabody birds, all immature & very dull-colored with muddy grayish tints, feeding throughout forenoon, in company with 30+ House Sparrows, one seen at edge of lilac thicket. A Blue Jay in bush grove. Noted nothing else.

The Peabody birds often gave way, sometimes with seeming apprehension, when closely approached by the House Sparrows but also might be seen feeding unconcerningly with them side by side. I did not ever see them mobbed by the alien birds. Where came so many *Z. alba*? No more than 3 noted but more.

Spent most of day in Museum working letters etc. Harry Spelman called shortly after breakfast. Alice Allge & Ruth Harford dined with us. Victoria married & leaving about 7.30-9.30 P.M.

Cambridge.

Ther

Monday, Jan. 3, 1916

Wear
Dull.

Light cloudy & mild, the snow melting somewhat. Colder at evening & very windy then.

In Garden. Chickadee (heard), one im. Peabody birds in company with some fifteen House Sparrows, two noisy Crows perched in juniper, a Nuthatch in the lindens seen too far off to be identified certainly but looking to me like the White-breasted species.

Dr. Tyler called me by telephone this evening to say that he had seen five dull-colored Evening Grosbeaks this morning among red cedars in Lexington.

Spent day in Museum working letters (of which there would seem to be no limit now) and preparing notes on field observations at Concord & Gloucester. To read at next all Club meeting this evening. It was slowly attended. Evening on previous we called on for field notes etc. We had so much to say & listen to that we did not arrive until 10.30. Miss Balch & Mrs. Harry dined with us.

Cambridge

Ther
16°

Tuesday, Jan. 4, 1916

Wear
Fine

Clear & cold with fresh N.W. wind.

In Garden: a dull-plumaged Peabody bird with about 25 House Sparrows, a solitary Blue Jay, a Downy (heard calling), one or more Crows heard.

At work in Museum all day, chiefly on Umbagog Pipera which was somewhat a doer and thereby although still hanging over to a degree that mortifies my soul most grievously for the whole thing is simple enough as planned and ought to be written easily in a day or less. Why I should have to struggle over it so long and fruitlessly in difficult comprehension

Noble called in late P.M. to borrow more birds for Bangs. Faxon telephoned soon after breakfast to say that he & Tyler had just seen 3 Downy Grosbeaks on Longfellow Island. Tyler says 5 yellow throats within 1/2 mile & reading was very

Cambridge

Ther

Wednesday, Jan. 5, 1916

Wear
Stormy

Dark, cloudy with light drizzle of rain falling more or less ceaselessly. Heavy snow slides crashing down from house and museum roofs on sidewalks.

In Garden an immature Peabody bird with numerous: House Sparrows, a Chickadee at least.

Walter Dean called me by telephone this morning to say that early in the forenoon he & Dr. Tyler had visited the haunts of the Downy Grosbeaks in Dixington seeing there no less than 9 of the beautiful birds, all in 1st plumage, however. They were feeding on seeds of an ash-leaved maple growing near a public roadway.

At my desk in Museum all day long writing letters in forenoon, wrestling fruitlessly with Umbagog Pipera in afternoon. This unhappy task broke fair to baffle me indefinitely. Evening passed, as usual, in bath when I played records (5-9) & E. read aloud Latt. C. always retires next at 9 P.M.

Cambridge - Lexington.

Ther Thursday, Jan. 6, 1916 Wea
My first evening Grosbeaks. Fair

Brilliantly clear with fresh, cool westerly
winds. Snow ice. increased but thawing in sun.

In Garden - 8:15 a.m. Together at or near
Street hanging in Catalpa 2 (♂♂) White bellied
Nuthatches, a ♂ Canada Nuthatch, a ♂ Downy
and a Chickadee; beneath this tree an immense
Peabody bird & a dozen or more House Sparrows.

Leaving home at 8:30 a.m. Walter Deann

I went to Lexington by electric cars
which we left near Monroe Street walking
thence up a winding street to the hill top
where Evening Grosbeaks have been seen of
late feeding in a box elder. We met there
Dr. Tyler, his sister & several other ladies
equipped with opera glasses. The Grosbeaks,
numbering 11 to-day, all females, appeared
first about 10:15 a.m., when they fed awhile
on square berries, next about 11:15 when
they visited the box elder & spent half an
hour feasting on its seeds. Here I collected
a number of them under most favorable
conditions. A full account of the experience
will be written in my notebook.
Home by 1 P.M. Walter & I walked over
Grosbeak place after luncheon. Visited
Conant this morning for G.

Cambridge

Ther Friday, Jan. 7, 1916 Wea
Fine

Clear and cold with westerly winds.
Snow thawing little if at all, even at noon day.

In Garden: Two Robins, ♂ & ♀, a Peabody
a Peabody bird & some two dozen House Sparrows.
I heard the ♀ Robin call while walking at
my desk & looking out the window. I
saw her within two yards of it eating
berries of the nightshade vine that annually
straggle up among the rhododendrons.
Herbert's berries have remained
intact. This year redwings usually
for the most part despoiled before winter
sets in, especially by Hermit Thrushes.

This is about the height of the regular
hibernation season of Gray Squirrels.
I have not seen one of them after
these over a week of late.

Devoted almost the entire day to
writing out a full account in my journal
of yesterday's experience with Evening Grosbeaks.
It covers eleven or 12 pages.
Used notebook account & reading about in
this morning.

Telegram from Henry Henshaw at 10 P.M. saying he plans to "leave to St. Louis
on Sunday" and will be back in our Sunday. This means another break down
for Betty on Saturday.

Cambridge

Ther
9°

Saturday, Jan. 8, 1916
Evening Grosbeaks.

Wea
Fine

Clear & cold with fresh northerly wind

In Garden: a Chickadee, singing freely; an im.
White-throat; a Vireo; a Jay; a Crow (heard);
about 30 House Sparrows. Also four or five
birds which have hardly been seen other than
Evening Grosbeaks. I first heard & then saw them
as they flew swiftly across the open space by
the sun dial towards the head of the garden, one
following another a yard or so apart. The first three
looked exactly like the females seen at Lexington,
the fourth like an adult ♂. All four showed
white conspicuously on wings & tail. My view of
them was the more glaucous, however, being
limited to what could be seen of their fleeting
forms through my steady wind-cut near which
I was standing with three boys. One of them,
Lowell Thompson, had been telling me of seeing
2 ♀♀ Grosbeaks of this species in white plumage
in the nursery field, Lowell St., yesterday.
I had just shown him my sketch to
confirm his identification of which he seemed
very confident. Mrs. Cook of Lexington
telephoned this morning to say that the two birds
were visited yesterday & to-day by what was
undoubtedly a different flock of Grosbeaks from ones
seen there before for they were 7 in number.
2 were handsome males, while the ♀♀ were all
"very gray".
Spent day in Museum writing letters.

Lowell Thompson also told me of a Hermit Thrush seen by him in
the garden St. Jan. 1 & 2.
Mr. Thompson's grounds

Cambridge

Ther

Sunday, Jan. 9, 1916

Wea
Fine

6°; 20°

H. W. Henshaw arrived ill.

Clear & cold with light northerly wind

In Garden: Golden-crested Kinglet (heard),
Peabody bird (heard), about 20 House Sparrows,

Evening Grosbeaks at Lexington. Saw
females & two males seen together by
George C. Deane, F. H. Allen & Dr. Lyden

I spent most of day in Museum
writing letters, additional notes on
Evening Grosbeaks, and a report of the
appearance of a ♀ Barrow's Golden-c. at
Wareham, for Mr. Cook.

Henry Henshaw left Washington by
Federal Ex. last evening. He reached Boston
several hours late and he did not get out
to our house until 1.30 P.M. to-day. He
was then too ill with bowels trouble &
nervous to think of going on to Bethel
to-morrow as he had intended. He got
from wife bed shortly & sent for Dr. Brown
who came this morning & hopes to get him
all right again in a day or two.

Cambridge

Ther

Monday, Jan. 10, 1916

Wear
Stormy

Snow falling thick & fast through forenoon followed and swept away by rain in afternoon. Light S. W. wind.

In Garden: a Chickadee, a Peewee bird and about 30 House Sparrows.

Evening Grosbeaks, at Lexington 2 ♂♂ & ♀♀ seen by Walter Deane & others. A single ♀ reported from Sharon, Mass.

Having headache. Better this morning & improving through day but keeping still in bed with no trained nurse to look after him part of time. I was with him intermittently. He ate nothing but liquid food, mainly Mellin's.

I visited Harvard Square in forenoon to get my hair cut & make a few small purchases.

N. O. C. Council Meeting this evening, 8-10. Only one came. We dealt with nominations & other matters.

Cambridge - Lexington

Ther
40°

Tuesday, Jan. 11, 1916

Wear
Fine

Clear & mild with light westerly wind. Still & slowly cooled in places with wet & very dangerous ice.

In Garden: A Peewee bird, about 30 House Sparrows, a Downy Woodpecker.

Went alone to Lexington. Roads bright & slippery. When just as I got off my car there. Saw Mrs. Tyler for a moment in this same street corner. She said only two birds had appeared this morning & about 10 a.m. the road a 8 two sets of. They had not been long. I as a child, I found Miss Cook & several others watching by elms. Mr. Whittle & a young lady took me out high to another side the big bird. My net there. Saw 13 juncos & 2 jays. My companion saw 13 juncos & 2 jays. I found Harry fully dressed, and at table. He was out walking over. I described some things in museum. Harry Barlett called this evening staying at home. He had a little brook house for a room.

Cambridge

Ther

Wednesday, Jan. 12, 1916

Wear

Fair

Partly sunny, mostly thin clouds; very chilly with light westerly wind.

In Garden: a dull-plumaged Peabody bird with a mob of House Sparrows hanging about near a hedge where fragments of bread are thrown out daily; the flickers eating fruit of Peabody's apple tree far neglected by birds & scarcely noticed as yet by squirrels. Apparently it has to be frozen & thawed successively about 20 times before it becomes palatable to any of these creatures. The only other bird I noticed was a downy Jay.

Henry Henshaw started for Bethel this morning by 9 o'clock train. I sent Gilbert with him as far as Portland. He went off in rather good spirits. I spent most of day writing letters & expecting there are simply floods to answer. Faxon called in forenoon to look at books. Wednesday was nice & had Victoria Museum at evening.

Cambridge

Ther

Thursday, Jan. 13, 1916

Wear

Dull.

Cloudy, calm & warm with light rain in early forenoon. Snow & ice going rapidly; bare ground showing in spots.

In Garden: An immature White-throat with a dozen or more House Sparrows were all the birds I noted.

Spent day in Museum, writing letters and rearranging mounted birds so as to place on exhibits half a dozen specimens that have been stored for years in a tin case. This is now required to store eggs for which I propose having glass-topped boxes made soon. All this is keeping me from my society but it is nevertheless too important to be set aside. The letters really take most of my time. They are more numerous & of more pressing importance than ever before at this season.

Clara & Paula Benson called at 10 A.M. bringing \$30. to settle B.C. in taxes & other floating indebtedness. In forenoon I showed them Museum & birds.

Cambridge.

Ther 30° at 8 a.m.
60° at 9 P.M.
Friday, Jan. 14, 1916
Clear & increasingly cold with high N.W. wind

Wear
Fine

In Garden: An. im. Peabody birds
with something over a dozen House
Sparrows. A Flicker flying from the
Parkman's offh. tree. No other birds
noted.

Spent entire day working with
Belmont in gallery of Museum. My
attention was drawn to the condition
of the collections. There several weeks
ago when I found that several of
the cases were infested with *Anthericus*.
These have since been completely
destroyed. We are now searching their contents
with a view to clearing of spores.
Two of the cases are filled with
birds & eggs from the University of Illinois.

C's eyesight is failing again & has been
ever since Christmas. He has written a
lot of letters. It was very dark today.
Gorey & I left at 10:30 & spent evening with us.
E. R. S. went to his room.

Cambridge.

Ther 20°, 22°
Saturday, Jan. 15, 1916
Wear
Fine

Clear & very cold with little or no
wind. Windows encrusted with frost
in Museum. Snow in streets giving
out creaking sounds under wheels
of cars.

In Garden: A dull-plumaged Peabody
bird, about a dozen House Sparrows,
a single Chickadee (flying through
bird grave), a Jay (heard screaming).

Spent day in Museum. Accomplished
nothing save the writing of a few
letters. My Umbagog M. S. has
not been touched for more than a
week. Just why it has been so
neglected I do not myself quite
feel sure. But somehow all my
mental energy seems to have
suffered complete collapse of late.
This may be due to my giving up
smoking. I have not touched tobacco
since last Monday nor had any desire
to. Victor's music this evening.

Cambridge.

Ther
30°

Sunday, Jan. 16, 1916

Wea
Fine

Clear and mild again with little or no wind. Entire face of country encrusted with icy snow. This may rather be called snow ice over Charles River opposite the foot of Sparks St. where I saw at least 1000 people skating this afternoon.

In Garden: a Red-bellied Nuthatch heard, a ♂ Dowry at seat, a Peabody bird with House Sparrows in shrubbery a yard of house. The alien birds crowd eagerly about my fan tail Pigeons when I feed them under the Catalpa tree but as I throw out no more grain than the Pigeons will surely eat & spread this over a small space only the Sparrows do not get much of it.

Spent forenoon in Museum writing letters. Alice Allen, Mary & George Deane & Mrs. Melvin dined with E. R. S. & me on a Turkey raised at our Farm. We had Victoria concert afterwards. C. up stairs.

Cambridge

Ther
9°, 10°

Monday, Jan. 17, 1916

Wea
Fine

Clear and cold. High N. W. winds.

In Garden: at 9.30 a.m. Peabody bird heard chirping, a dozen or more House Sparrows flitting about lilacs, a ♂ Dowry in jungle, a Blue Jay do. 3 ♂♂ Flickers together, at first in Parkman's apple tree, afterwards in dissected old pear tree where they remained fifteen or twenty minutes. One bird picked vigorously at the bark of this tree while I noticed, shows fresh marks of such attacks in various places. Probably we shall be forced to wrap the trunks of our pear trees with burlap as has been necessary in former years.

Batchelder & Bays arrived about 10 a.m. to look up Newfoundland specimens in my collection. I was with them all forenoon. Shortly after 2 P.M. Mr. Hille & Miss Geanger came by appointment to look at series of birds. They did not depart until 5 P.M. My Nuttall Club meeting this even. Dr. Lytle read paper on White-bellied Nuthatch & song on

Cambridge.

Ther
10°, 22°

Tuesday, Jan. 18, 1916

Wea
Fine

Clear, cold; light variable winds.
Typical mid. winter day of the steam south.

In Garden: a chickadee calling close to my study window, a dull colored Peewee bird in clothes yard, with House Sparrows; afterwards within the same on a similar looking bird scratching among fallen leaves in jungle.

Gray Squirrels out again despite the cold. I saw one or more repeatedly running singly over the ground.

Spent day in Museum, worked on the bird collection in a.m. examining and re-arranging specimens in four cases recently bisulphurated and throwing out skins badly injured by Anthrax of which there were only 3 or 4. Found about that number of dead "bugs".

Wrote letters in P.M. Visited Museum this evening.

Cambridge.

Ther
10°, 22°

Wednesday, Jan. 19, 1916

Wea
Fine

Clear & cold with light N.W. wind.

In Garden: Woodpecker gathering at 9.30-10 a.m. consisting of ♂ hairy and ♂♀ Downies together for almost half hour in apple tree by lilacs, and ♂ Tit in Parkman's apple eating its fruit. The black & white spotted birds worked energetically & ceaselessly on which appeared to be perpetually sound apple tree trunks & branches hammering away at them most vigorously but although watching them long & closely through my glass I failed to see that they got anything in the way of food. A Blue Jay on ground, a Crow on wing & a score or so of House Sparrows complete the list for the day.

Spent day in Museum working on insectological nests, eggs & skins labeling some & putting many in new boxes. Bateholder & Bangs came up for the afternoon to look for Newfoundland birds in my collection.

Cambridge

Ther Thursday, Jan. 20, 1916 Wea Stormy

Dark cloudy with light, intermittent snow fall. Mild but chilly.

In Garden: a Chickadee, ♂ Downy at suet, Crow on roving, a dozen or more House Sparrows flitting to and fro.

Spent day in Museum working mostly at cataloging & labeling miscellaneous skins & sets of eggs. This duty has been somewhat neglected of late years and as a result the precise history of several rare specimens has been partly forgotten or nearly so. Hence it is more desirable to enter such essential data as can still be remembered or ascertained before it is too late.

Bradford Scudder called in mid-P.M. to bid me good bye. He has resigned from Fish & Game Ass. & taken a place in Conn. with Mr. E. S. Cowen. C. confessed to error by headlamps. E. R. S. read about to me 7.30-9 P.M.

Cambridge

Ther Friday, Jan. 21, 1916 Wea Fair

Light cloudy with occasional brief gleams of sunshine. Almost or quite winched. Very warm. Typical January thaw. Snow & ice melting fast.

In Garden: 3 Peewee birds, all essentially alike and so dull colored as to be distinguished only with difficulty from our House Sparrows. I found them were feeding on seed that I put out for them under the birch. This happened about 9.30 and just after I had fed the Pigeons. By confining their grain to a space no larger than they cover when crowding together to eat it I prevent the House Sparrows from getting more than a fair share. Hundreds of them.

At 9.30 there were a ♂ Hairy & a ♂ Downy in jungle to a ♂ Flicker eating Parkinson apple.

I worked in Museum all day arranging & cataloging birds & eggs. Batschelder & Bangs with me all forenoon looking up miscellaneous skins.

Cambridge

Ther ^{Boston} Saturday, Jan. 22, 1916
66° (official rec)

Wea
Dull.

Cloudy & very warm. Strong S.W. wind.
Snow & ice vanishing fast. Bare
ground showing in places & sleighing
quite ruined.

In Garden: a Chickadee, a ♂ Red-bellied
Nuthatch & a ♂ Downy Woodpecker visited
suet in quick succession about 9-10 a.m.
The Chickadee gave the phoe-bee note
twice or three times. I heard
a Peewee bird in the lilacs &
saw a Crow alight on the lawn
where he remained for several minutes
pecking at something in the snow.

Mrs. Dr. Worcester telephoned me at noon
to say that she had seen 2 ♂ & 6 ♀ Downy Woodpeckers
at Lexington this morning feeding on
fruit of flowering apple around of purple color.

Chas. R. Lamb shot two Iceland Gulls off
Rockport. He brought them down for me to
see this evening. One is a beautiful & fully
adult bird with blue mouth & pale sea-green
bill & yellow underparts (very pale yellow).

I worked in Museum all day
cataloguing & labeling skins & eggs.

Dick Davis called in mid P.M. staying
about an hour.

Cambridge

Ther
40°

Sunday, Jan. 23, 1916

Wea
Fine

Brilliantly clear with fresh westerly
wind which seemed just agreeably cool.
Altogether a rather spring like day
impressing one all the more so because
practically all the snow and ice has
disappeared within the past forty eight
hours, restoring to view wide expanses
of bare ground; Grass decidedly
green over much of some lawns.

In Garden: a Chickadee, (3)
dull colored Peewee birds keeping
together, mostly among shrubbery;
a ♂ Downy in the lilacs spending
a lot of time in what seemed an
utterly fruitless search for grubs in
the upright slender shoots which he
tapped at persistently; 2 Crows
on lawn eating pieces of bread
downward telephoned that he
had seen the Grackles (2 ♂♂, 6 ♀♀) at
Lexington 11. 12 a.m.

I wrote letters in Museum all day.
Living Fuller & Mary Cobb dined with me.

Cambridge - Lexington.

Ther Monday, Jan. 24, 1916 Wea
30°, 42° Evening Grosbeaks. Perfect.

Brilliantly clear with light westerly breeze & dry, cool air. Most like a day in early spring.

In Garden: a Peabody bird singing rather freely at sunset, a Downy calling not long after sunset.

Started for Lexington by trolley car at 9.15. Dr. Tyler joined me by chance as I was ascending road leading to haunt of Evening Grosbeaks. We found them in flowering apple close to Mrs. Cooke's house, whence they soon flew off into some cedars beneath which they fed & hopped about on ground for 20 or more minutes, finally returning to apple tree again & feeding on buds & twigs from its fruit in same manner as by Pine Grosbeaks.

The flock to-day numbered 2 ♂♂ 5 ♀♀. Hitherto it has usually had "6 or 8".

The males both light colored with much brighter yellow & evidently fully adult.

All the members of the flock unusually silent birds uttering only a low cross-hill-like chatter & throat beat, rarely. Several members of Peabody's kind also watching them with interest. Miss Cooke also appeared. She invited me into her house & showed me an interesting representation of ancient Italian M.S. water-forged of birds. I got home at 12.30

Cambridge - Concord.

Ther Tuesday, Jan. 25, 1916 Wea
Fair

Sunny & overcast by turns. Very mild. Light S. W. wind.

In Garden: 2 in White-throats; 2 Jays & a Downy seen about 9 a.m.; a Chickadee, a B. Red-bellied Nuthatch & 2 Golden Crested Kinglets together in willows by Museum gate at 4 P.M.

Concord Farm: (3) Chickadees, 1 Jay, (2) Crows, 1 Partridge.

Leaving home at 10.15. Gilebre & I motored to Concord via Trapelo Road, Lexington & Carlisle Bridge. Roads deep rutted & frozen in places. Open country quite bare. Some snow in woods. River frozen over solid. Reached Farm about 11.30. Benbow leaving, Moulton & 2 men sparring on wall which is near them, half finished. After lunch went to Birch Field south of George. It has cut about 15 cords of brush. Found several purple Cedars delight blossoming out in front of farm house, one quite perfect. Motored back via Bedford, Lexington & Arlington, reaching home at 4 P.M.

Cambridge - Boston

Ther. ^{Boston} Wednesday, Jan. 26, 1916 Wea
66° (special rec.) Fair

Partly sunny; mostly thin cloudy.
Oppressively warm. People sitting out
on piazzas & street cars running with
open doors & windows.

In Garden: White-breasted Nuthatches
uttering woe-woe-woe call five or six
times at 8 a.m. Chickadee at sunset
later. Downy heard. 3 duck plumaged
Peabody birds.

To Boston at 11.30 to attend
annual meeting Trustees Pub. Reservations
12 noon to 12.45. Dr. Walcott
presided. Only 9 members present among
them George Wigglesworth, George Mann
& Henry Thidder. After adjournment I
had short talk with Dr. Walcott.
Thence to our office where I saw
Dorothy & Gallagher & signed cheques.
Home by 4 P.M. Winter in town again
at 6.30 to Mr. Dine at Towns Hall.
Saw there Sam Bent & Barbour.
Home by 11.45.

Cambridge.

Ther. Thursday, Jan. 27, 1916 Wea
60° Dull.

Early morn. sunny. Afterwards cloudy
& misty. Very warm but somewhat
chilly with light easterly wind.

In Garden: 5 Peabody birds, all in
immature plumage and clearly sick.
Spent the morning together in the bushes
scratching among fallen leaves, singing
away now and then; 2 Jays screaming
long & loud about 8 a.m.; a few
House Sparrows.

Spend day in Museum writing
a few letters & cheques for bills.
Very much of my time has had
to be wasted of late because of
grievous trouble with the eyes &
generally unimproved nervous condition
both doubtless due to my growing up
smoking on January 10, since when
I have not touched tobacco - nor
cared to.

E. P. S. returned from Springfield this
noon. Miss Henders still here. C. small
& depressed.

Cambridge:

Ther

Friday, Jan. 28, 1916

Wea

63° max.

Hum

Clear & very warm through forenoon.
Temperature falling rapidly in P.M. with
high N.W. wind.

In Garden: Chickadee & Peabody bird
heard; 2 or 3 Flickers ran together on
ground under Sycamore trees.

Spent day in Museum most of
it with A. C. Best who came
from Iamton to study birds in
my collection in connection with
the book which he is writing. It
was interesting to observe the methodical
business-like way in which he set
about his task of noting characteristics
of certain species etc. He was one of those
natures over which time long. He dealt
with a good many of them in the course
of the day. He lunched with us &
could not write a few letters at
odd times. E. R. S. read to us after
dinner. C. saw me over the day.

Cambridge

Ther

18° - 28°

Saturday, Jan. 29, 1916

Wea

Fine

Clear & cool with fresh N.W.
wind. Surfaces of ground everywhere
bare of snow or ice and hard frozen
again.

In Garden: Chickadee heard, Peabody bird
(heard), Flicker (eating Peabody's apple),
Blue Jay (one in apple tree with Flicker).
House Sparrows (only a few).

Spent a much interrupted & rather
profitless day in Museum. In
forenoon received a call from Lincoln
of Peterfield who brought him dozens of
wonderfully beautiful photographs of wood
& garden plants. I bought two at 2.50,
one of *Sorbus* tree, the other of apple blossoms.
Somewhat later in day a Boston lawyer
called me by telephone to enquire as to
my method of chaining trees, where I had
previously a who had helped me do. I
referred him to Forest at New Haven who
put the chains on our trees at Ground
Ditch. He called in mid afternoon.
When he departed at 5 I went out
with him & we walked to Mt. Auburn
& back together. C. a little better but
still keeping quiet & isolated.

Cambridge.

Ther
30° 136°

Sunday, Jan. 30, 1916

Wea
Dull.

Cloudy, calm, mild, with light
rain in late P.M.

In Garden 9.30 a.m.: ♂ & ♀ White-throats
Nuthatch together at first in Catalpa,
♂ Red-bellied Nuthatch near by at same
time on board walk; An adult
Pied-bird and 3 immature ones
in shrubbery near g-sheds, one of
them singing rather loudly every
now and then. Usual flock of
House Sparrows, One Blue Jay.

Spent much of day in Museum
writing letters & checks, looking over
& mending museum catalogues etc.
Miss Mary Allen & her niece
Miss Gage dined with E.H.S.,
Miss Henderson & Miss C. Stitt
Conferred to her room upstairs
although decidedly stronger to day.
I played Victor's records again
both dinner & supper.

Cambridge.

Ther
35°

Monday, Jan. 31, 1916

Wea
Dull.

Cloudy with fine, driving rain
at intervals. Very warm again
- especially in our furnace-heated
houses, wherein the most smothered
fires give too much heat yet cannot
be extinguished.

In Garden: 2 White-throats, 2 Jays,
a Downy (heard), a Thriller (heard),
a dozen or more House Sparrows.

One of the Jays began singing
softly about 10 a.m. and kept
it up at intervals for several
minutes. I have not heard this song
before since last winter or spring. The
bird seemed very near my study
window & was doubtless among the
rhododendrons just outside it.

The White-throated Sparrow went to
roost or looking in honey-suckle vine by
Museum door. Like the Brown Creeper
who frequented it similarly several winters
ago they permitted me to pass within two
feet of them without leaving. I have heard
them chirping there for several evenings past.
Spent day in Museum doing little
except write a short letter.

Cambridge.

Ther 5.0° 60° Tuesday, Feb. 1, 1916

Wea
Dull

Thin cloudy, calm, warm but chilly.

In Garden: Chickadee (heard), Peabody birds (heard), Blue Jay (singing again in rhododendron thicket heard by my study window), Flicker (heard), Herring Gull (flock of 9 birds winging their way high overhead towards Fresh Pond), House Sparrow (thronging entire place very noisily, entering holes in tree trunks & otherwise conducting themselves in ways especially characteristic of approaching breeding season; see this note observed before this date), Gray Squirrels began showing themselves freely about a week ago. Since then I have seen them out & about. I have often 2 or 3 at once. No amorous demonstration noted yet.

Spent day in Museum, mostly at my desk where I wrote a few letters. Miss Henderson left in this afternoon.

Cambridge.

Ther 24° Wednesday Feb. 2, 1916

Snow again

Wea
Stormy

Snow falling steadily through forenoon & earlier part of afternoon - a windless snow-fall, covering the ground very uniformly to a depth of some five or six inches.

In Garden: Peabody bird heard, 2 Jays screaming and one of them afterwards singing Setts voice in the rhododendrons just outside my study window.

Spent day in Museum working mostly in big room rearranging eggs and skins. Tried to do a little writing but had to quit because of the poor light and of continued trouble with my eyes. They have acted almost ceaselessly of late. C's sight is failing hopelessly I fear. She sees less well from work to work. All her letters even are read to her now. She enjoys the booklets as much as ever. We have a very sunny.

Cambridge.

Ther

Thursday, Feb. 3, 1916

More snow.

Wea
Stormy

Snow falling thick & fast at daybreak and well through forenoon. It covered the ground evenly to a depth of not less than 12 inches when the storm finally ceased. Afternoon calm & then cloudy the sun showing occasionally & setting clear.

In Garden: Chickadee heard; im. White-throated Sparrows eating "deadly" nightshade berries which still hang profusely to vines overrunning the rhododendron thicket by my study window. Very many House Sparrows. Downy W. heard, 2 Crows on wing.

Spent day in Museum for most part rather fruitlessly although several letters were written & some eggs rearranged. My eyes less troublesome than for several days past.

Dick Dana called in P.M.; also A. J. Percen. Much reading about & Victrola music in hall after dinner.

Cambridge.

Ther

10°

Friday, Feb. 4, 1916

Wea
Fine

Brilliantly clear. Fresh N.W. wind. Early morning cold. Fine sleighing again but only friends seem to be taking advantage of it. Snow quite a foot in depth and very fine and undisturbed as yet with purple shadows thrown across it by the trunks of our lindens & elms.

In Garden: only a very few birds including 2 White-throats, about 30 House Sparrows, a Jay, 2 Crows.

Spent day in Museum rearranging bird skins in gallery.

Mrs. Brewer called soon after breakfast, desiring me to inspect the work of some of Thelma's men in her house. This I did, finding it all right. Next Batchelder came to discuss Mr. Dine & other matters. He did not stay long. E. R. S. went to see Ben this evening. I read war news to C. & then played Victrola for an hour.

Cambridge.

Ther

Saturday, Feb. 5, 1916

Wear
Fine

Clear, calm, mild, snow melting a good deal & sliding in thunderous avalanches from Museum roof but sleighing still excellent.

In Garden: 2 immature White-throats with about a dozen House Sparrows eating seed put out for them under the lilacs, a ♂ Flicker feasting on Parkman apples, a Downy Woodpecker.

Spent day in Museum rearranging bird skins & sorting letters.

Dick Dana called in mid afternoon. He stayed rather more than half an hour & told me an interesting thing about two dogs in a house (his daughter's) near New York where he has been visiting lately. One dog, a pure white one, will lie only on white rugs, the other, a black one, only on black rugs.

Reading about & visiting Museum in hall this evening.

Cambridge.

Ther

Sunday, Feb. 6, 1916

Wear
Fine

Sunny, calm, warm; clouds gathering somewhat in late P.M. Snow settling fast.

In Garden: 2 immature Peabody birds feeding with about 30 House Sparrows on seed that I threw down for them under lilacs; 4 jays roaming together through jungle (at 10 a.m.) while a ♂ Flicker was just finishing his breakfast of tiny apples in the Parkman tree. Its once heavy burden of fruit has been diminished, at least one half by the Flicker, Gray Squirrels and House Sparrows all of whom have been eating the little apples constantly for a month or so.

Spent much of day in Museum sorting letters. We had Mrs. Allen at dinner. She has been ill in hospital. Visited Museum 2.30-3.30 P.M. & again this evening.

Cambridge

Ther
40°

Monday, Feb. 7, 1916

Wea
Fine

Sunny & mild until towards evening when a high N.W. wind arose and the temperature fell sharply.

In Garden Chickadee (heard) 4 in. Peabody birds collected at seed but in company with a lot of House Sparrows, ♂ & ♀ Flicker eating P. apples together (about 9.30 a.m.). Downy seen after off in jungle.

Spent part of day at home & part in Museum reading & sleeping by turns but attempting no work. Dr. Jorrel called to see me in forenoon. He seems inclined to attribute my present unbringed & apathetic condition largely to giving up smoking but strongly advises against resumption of habit at present.

C. J. Maynard called in P.M. but I did not see him, nor did I attend Matthew Club this evening.

Cambridge, Mass.

Ther
45°

Tuesday, Feb. 8, 1916

Wea
Fine

Brilliantly clear with fresh northerly wind & hard frost again.

In Garden: Peabody birds heard chirping at evening as they went to roost in Rhododendron thicket. At least two of them have repeatedly spent nights of late in honeysuckle vine by Museum door to which the Thrasher resorted similarly in winter 1913-1914. One of them sang rather freely this morning. Besides them I noticed only a ♂ & ♀ Flicker & about a dozen House Sparrows.

Walter Damm & E. H. Forbush came almost simultaneously about 9 a.m. The former stayed only a few minutes, the latter until 10.30. Dr. Jorrel came at 11 and made a thorough physical examination. Nothing serious. He finds no serious organic trouble. Heart in good shape, blood pressure normal. No arterial hardening. July Balls for cancer in P.M. to get a letter from me in return. The architect of our Brown building.

Cambridge

Ther Wednesday, Feb. 9, 1916. Wea Dull.

Cloudy, calm & mild, but chilly, with inch or two of snow fell sometime last night or very early this morning.

In Garden: A Chickadee, 3 dull-colored Peabody birds with about 20 House Sparrows on feed bed, 2 Jays screaming in the jungle.

Spent forenoon partly in museum, partly in house with C. - it being the thirty eighth anniversary of our wedding day. Lorry Fisher brought us some beautiful boxes.

I went in town at 2.30 to attend Board Meeting Directors of Gravit Ass. at 14 Beacon St. Dr. Blake presided. Messrs. Gould, Dr. Kittle, Mr. Green, Miss Hulse & Mrs. Reed the only members present with myself. We transacted a lot of regular business & adjourned at 4.45. I came straight home reading about Webster Messie this evening.

Cambridge.

Ther Thursday, Feb. 10, 1916. Wea Fine.

Clear, crisp & frosty, with moderate westerly wind. Everything brown in snow now somewhat icy in character.

In Garden: a lone Chickadee, one im. Peabody bird with 30+ House Sparrows on feed bed, a ♂ Flicker in Parkman's App., a Jay flitting through jungle, dislodging puffs of snow from many a branch thereby.

Spent most of day in Museum where I wrote a few letters and relabeled several birds in the Peabody collection. Although apparently perfectly well I am still suffering from the deadly apathy that has oppressed me for several weeks. Perhaps it is due in part to anxiety about C. whose eyesight continues to fade pathetically. Jude Abbott called at 1.45 & spent upward of an hour.

Put in annual supply of coal (20 tons furnace & 20 of range)

Cambridge.

Ther
20°

Friday, Feb. 11, 1916

Wear
Ball.

Early moon sunny; after that increasing cloudiness with fine snow falling steadily after dark, making 2 or 3 inches by 10 P.M.

In Garden: A Peabody bird with House Sparrows at seed bed; (8♀) Downy Woodpeckers & (8♀) Flickers perching near together in jungle about 11 a.m.

Spent most of day in Museum. Wrote letters in A.M., worked on rearrangement of skins after luncheon. Frank Manning called at 3 P.M., stayed half an hour, gave Dick Davis at 5 P.M. to stay until 6.

Johnny Miller dined with C. & me at 6.45. I walked home with him at 9. E. R. S. spent evening at the Bee.

Cambridge

Ther
78°

Saturday, Feb. 12, 1916

Wear
Stormy

Dark, cloudy and bitterly cold or rather chilly with fine, dry snow falling intermittently, packing down smooth and hard as fast as it struck and "making" to a depth of perhaps five inches by nightfall.

In Garden: Crows cawing at day break, 2 Downy at seed, about 15 House Sparrows at seed bed. Nothing seen or heard of any of the Peabody birds.

Spent day in Museum working on rearrangement of Grasshoppers & Flickers. Those from Brazil brought from outlying cases into those of the main collection in the gallery.

Harry Spelman called at 5 P.M. & stayed until 6.30.

E. R. S. dined out (at Miss Balch's) this evening. I played Victrola to C.

Cambridge.

Ther 8°, 20° Sunday, Feb. 13, 1916 Wea Stormy
Deep snow.

Cloudy & cold. Snowing through last night and the whole of the day. At least a foot of snow has fallen during the past three days & there was six inches or more on the ground before that. This present storm has crippled the trolley car lines badly and apparently wholly banished automobiles from our city streets where I have seen naught but fairs & sleighs to-day.

In Garden: at sunset, 8.30 a.m., White-breasted Nuthatch ♂, Downy W. ♂. In Parkman apple 9.30 a.m. Flitter ♂ eating fruit, Blue Jay hopping about indiscriminately. Heard a Red-bellied Wood chucking near my window. About 8.00 a.m. Sp. warblers flocking to & from.

Spent most of day in Museum writing letters. Miss Allie was my guest at dinner. Victor after

Cambridge.

Ther -2° +10° Monday, Feb. 14, 1916 Wea Fine

Brilliantly clear & very cold with dry air & brisk northerly winds. The newspapers report 17 inches of snow on a level all about Boston. In our grounds it is somewhat drifted & exquisitely sculptured in places by the wind as well as very deeply hollowed out close around the bases of large trees. Everywhere it is of spots, purity. Only a very few automobiles vented out but these seem to run well enough. Rather many sleighs & fairs, cutting to & fro with jingling bells as in olden times.

In Garden: 2 in Peabody birds & about a dozen House Sparrows coming eagerly to my little seed fed by Museum. Chickadee heard.

Spent entire day in Museum gallery rearranging birds with Gillette help. Miss Bole at lunch after it. Only had this evening

Cambridge.

Ther Tuesday, Feb. 15, 1916
- 2° + 20°

Wear
Time

Clear & cold with light northerly wind. Perfect sleighing with a surprising number of horse-drawn sleighs & pungs plying up & down Brattle Street, but only a very few automobiles out.

In Garden: a Chickadee (whistling the Phoebe call), a ♂ Downy at sunset, a Jay flitting through jungle discharging puffs of snow whenever he alighted, a Robby bird chirping insistently at sunset & seen later roosting in honey-suckle vine, by Museum door when he remained crouched among the thin semi-evergreen foliage as I passed out within 2 ft. of his perch.

Spent day in Museum. Catalogued & labeled birds, rearranged a lot of field notes, & other things. E. R. S. laid up with a cold. C. & I spent evening together in hall. I read paper to him & Reginald Victoria.

Cambridge.

Ther Wednesday, Feb. 16, 1916
2°, 32°

Wear
Fair

Early morning clear & cold but free from chill. Most of day sunny & cloudless with steadily rising temperature & increasing cloudiness.

In Garden: an im. White-Throat, a few House Sparrows, 2 Jays

Spent day in Museum. Rearranged books in gallery.

"McDill" at Harry Sparrows this evening. All there except Barbara, Bert & Goodale.

Unusually good dinner & interesting talk afterwards, mostly about Great War, the Brandeis Case, and National politics. It seemed strange for the second time this year to find myself with the small non-smoking minority. Even Townsend & Batchelder had their own cigarettes each. You took up about 10.45

Cambridge.

Ther Thursday, Feb. 17, 1916 Wea
32°, 40° Dull.

Fair cloudy, calm, mild.
Snow drifting fast and thick,
deep in slush. There was a light
snow fall overnight or very early
this morning - perhaps of half an inch.

In Garden. Flicker (♂) and Blue Jay
together in Parson's apple tree
at 9 a.m. Flicker devouring the
fruit but this did not seem to
interest the Jay. Peabody birds
chirping long & loud at evening. Only
a few House Sparrows.

A broken tooth forced me to
visit Dr. Andrews' office in mid
forenoon. Thence I went to Mark's
to have hair cut. Back in
time for luncheon with C.
E. R. S. still confined to her room
by a cold.

Spent afternoon in Museum
rearranging books & recording very
many over more or less proved but
no longer read or consulted.

Cambridge - Boston

Ther Friday, Feb. 18, 1916 Wea
Brewster Club An. Dinner. Stormy

Dense cloudy with cotton heavy
rain in late afternoon & evening.
Mild. Snow melting freely.

In Garden: A Peabody bird
chirping, a Blue Jay screaming,
a few House Sparrows.

Spent day in Museum
rearranging cases & books, chiefly
in gallery. Harry Spelman
called at 5 P.M. staying about
half an hour. I went in
town at 7.30 to attend dinner
of Boston Brewster Club at
Hotel Westminster. He sat down
just 7 o'clock. I with Mr. & Mrs.
Haley, the President (Mrs. T. J. J.),
Mrs. Brewster, Mrs. Adams & her daughter,
Miss Heath, Miss Moore & Miss
Pearce then, Prof. Nelson &
Jesse Glegg spoke for half hour as
did Mr. Haley. I got home at
nine o'clock.

Cambridge - Boston.

Ther 14°, 10°. Saturday, Feb. 19, 1916 Wea Fair

Clear & cold with blustering N. W. wind. A very harsh & trying sort of day.

In Garden: Heard a Downy & saw a Jay & a few House Sparrows.

Went in town at 10.30 A. met Mr. Hoby at our office where we had a rather long talk about school matters. He thinks it best not to be hasty about interfering with the boys' secret society but will await a good opportunity to talk with them. I took him to Manhattan for dinner at 1 P.M. came out about 3 & did a little work in Museum. Dick Dove called at 5.30, Alan & Harry Bartlett at 8.30.

Ther 5°, 24°. Sunday, Feb. 20, 1916 Wea Fair

Thin cloudy with occasional bright gleams of sunshine. Cold but not so windy as was yesterday.

In Garden: Heard a Jay & saw a Crow & a few House Sparrows.

Spent forenoon in Museum reading books. Had intended to write letters but lacked energy (or will power) enough to get started at it. This deplorable condition of mind or nerves or what not, seems to grow on me from day to day, paralyzing all mental effort and stupefying me much of the time with drowsiness impossible to resist. Perhaps it may all be due to abstinence from tobacco which I have not once touched since January 10 last.

Miss Allen can only guest at dinner. Distracted mind after it. Called at the Alveys' 5.30-6.30 & saw only Mrs. A. & Mary.

Cambridge.

Ther - 2° + 10° Monday, Feb. 21, 1916 Wea Fine

Intensely cold with cloudless skies and strong N.W. wind. One of the most trying days of the whole winter. Perfect sleighing again.

In Garden: - Crows cawing at sunrise; 4 White-throated Sparrows, all very dull-colored & nearly able to feed, with a few House Sparrows, at seed bed under lilacs in late P.M.

Spent day in Museum working letters and arranging my books. Nuttall Club meeting this evening. Rather thinly attended. Judge Jenny brought another Judge named Biking a large, fine looking man just fifty years of age. We talked about Evening Grosbeaks mostly. They were reported from several parts of Maine & various localities in Mass.

Geo. Deane reports 50 Robins at Fresh Pond Grove to-day.

Cambridge.

Ther 4° + 28° Tuesday, Feb. 22, 1916 Wea Fine

Sunny, calm, cold in early morning, moderating rapidly as forenoon snow melting into slush wherever fully exposed to sun's rays.

In Garden: Crows cawing lustily near house in early morning; 2 Jays with large pieces of bread in their bills flitting through lilacs at 9 a.m. Later in forenoon (about 11) a Jay surrounded me for many minutes most delightfully from somewhere among shade-trees close to my window singing ceaselessly sotto voce all the while as sweetly as any whistling lark-like Cat bird & not unlike one.

Robins appeared in Parkman's apple about 10.30 & were there continuously, but coming & going individually, until 3 P.M. There were at least 7, 2 of which were ♂♂ and 5 very dull-colored ♀♀. They were mostly about fresh feeding places; there probably had been 2 of them; also 1 downy at sunset. Spent most of day in Museum working letters. Victoria came this evening.

Cambridge - Boston.

Ther Wednesday, Feb. 23, 1916 Wea
Income tax returns. Dull.

Dark cloudy with alternating rain & sleet falling for half an hour or more in mid afternoon. Very gloomy & intensely chilly day.

In Garden: Heard a Chickadee & a Robin calling and saw a Flicker & a Blue Jay. Percy reports a Robin "in full song" in early morn. A Peewee bird calling as was.

Went in town shortly after breakfast. Spent most of forenoon in office working over income tax returns with Galloupe. To my surprise he makes out that I shall have nothing to pay this year. He has discovered that last year the tax on my annuity was by mistake paid twice over, once by Estabrook again by me. After we had finished the income tax we dined together at Young's after that I called at Steinert's for a lot of records & then came out home. Found records this evening & got several very good ones by Galloupe & Kriesler.

Cambridge

Ther Thursday, Feb. 24, 1916 Wea
22° Dull.

Dark cloudy with exceedingly minute snow flakes falling sparsely every now & then. Intensely chilly.

In Garden: 2 dull-colored Peewee birds, swarms of House Sparrows and a Blue Jay were all the birds I noted.

To Harvard Square at 10 a.m. Spent about half an hour in Dr. Andrews' chair. He explained my broken tooth by an x-ray. After that did a little shopping and then walked home.

Spent afternoon in Museum sorting letters and charges for files. We had the usual lecture concert & reading aloud in hall this evening. I read the war news, E. R. S. read a chapter from Tolstoy's "Gostia Diamonds".

Cambridge.

Ther

Friday, Feb. 25, 1916

Wea
Stormy

Dark cloudy with heavy rain which began last night and continued through much of to-day washing snow & ice and flooding city streets. Temperature mild but air chilly with the penetrating chill of melting snow.

In Garden: a Chickadee (heard), 2 dull plumaged Peabody birds, a score or more House Sparrows, 8 Downy at sunset.

Spent day in Museum writing labels for collection of Estrader nests & eggs obtained for me in 1905 by Dr. Grinnell. There are several choice sets among these specimens but most of the eggs are crudely blown & many lack definite dates.

E. R. S. at the Bee this evening. I read some news to C. & played a few cards also.

Cambridge.

Ther

Saturday, Feb. 26, 1916

Wea
Stormy

Dark cloudy with frequent but not incessant rainfall, for the most part not heavy. Very foggy at times. Altogether a dreary sort of day.

In Garden: Heard a Chickadee calling & at ten o'clock saw some which looked like 4 birds of that species flitting about through the jungle. Two Downy Woodpeckers also there together then. Heard a Blue Jay later. Saw two Peabody birds & plenty of noisy House Sparrows.

Spent day in Museum working on the egg collection, labeling many sets & rearranging others. Anthracite has wrought some damage to fixtures - burned nests in the gallery, but I am not even that any of it is recent. It seems best to bisect the line and remove.

We then spent evening on hall. E. R. S. read aloud & I played bridge.

Cambridge - Boston

Ther
20°

Sunday, Feb. 27, 1916

Wea
Fair

Clear & cool with fresh N. W. wind.
Streets rough with frozen blocks of
icy snow, no bare ground of
much extent anywhere but snow
everywhere hard-crusted & no
longer deep.

In Garden: noted only a Blue Jay
and a dozen or more House
Sparrows.

Left house at 10 A. M. & walked
down Brattle Street to Harvard Square
where I met C. & Larry Fuller at
entrance to Subway via which
we went in town together to
St. Pauls. Dr. Roumanee preached
an excellent sermon & the
music was, as usual, very beautiful.
We returned together reading home
at 1. Miss Abby & Miss Jennie
Chapman dined with us on a
Turkey from our farm. Victrola
music afterward. Letter writing later.
Reading aloud in hall this evening.

Cambridge

Ther
8°, 18°

Monday, Feb. 28, 1916

Wea
Fair

Clear & cold with high N. W.
wind.

In Garden: A White-throated
Sparrow singing, a Downy Cuckoo,
a Jay flitting through jungle, a
few House Sparrows.

Spent day in Museum.

Mr. Merritt, our Brewster Academy
teacher, with me for above an hour
in forenoon, discussing the
contemplated purchase for our Brewster
Library of Encyclopaedia Britannica
in an edition reduced in size &
cost. He seems to think that the
school is running well & that the
German teacher, Schabert, is mostly
behaving with discretion despite
rumors to the contrary.

In afternoon I wrote letters &
worked a little on egg collection.
We had usual reading aloud &
Victrola music in evening.

Cambridge.

Ther 14° to 24° Tuesday, Feb. 29, 1916 Wea Fine

Clear & cold with light northerly wind.

In Garden: Chickadee whistling phrase loud & clear, very many times; 10 a.m. White breasted Nuthatch uttering wot-wot-wot song several times at 8 a.m., 2 ♂♂ 7-bellies in Parkman apple tree; Peabody bird calling & singing a little, near Museum.

Spent day in Museum. Began cataloguing and labeling the birds collected by me in Trinidad in March & April 1894. Some since then they have borne only the original field labels which were merely small tags marked with sex & date of each specimen. It is necessary to reidentify many of the species, I find.

Mrs. Melvin called in mid P.M. I received her as C. could not. We sat in hall this eve & C. had had about from Enos & I came.

Cambridge.

Ther Wednesday, Mar. 1, 1916 Wea Fine

Clear & cool with light westerly wind. Ground everywhere covered with six inches or more of dry snow.

In Garden: 2 Robins (♂♀) at first in Parkman's apple tree, after some time down in cedar where they remained silent, inert & very close together for twenty or more minutes. All the while 2 ♂♂ 7-bellies were feeding in the Parkman apple tree. Heard a Downy and saw a Peabody bird. A dozen or more House Sparrows.

Spent day in Museum writing labels for Trinidad birds. Arthur Bent came to look over my shells in forenoon & Mr. Whittle to identify some eggs in afternoon.

C. went with Dr. Cheaney in forenoon. She kept her room this evening when S.R.S. & I sat in hall discussing various things.

Cambridge

Ther

Thursday, Mar. 2, 1916

Wear
Stormy

A snow storm began sometime last night & continued through entire forenoon making an all snow ten inches and thereby restoring the total depth of the snow blanket to nearly or quite what it was before the recent thaws & rains. Certainly it must exceed a foot on the level now.

In Garden: immature Peewee bird in vines over Magnolia den chirping loudly, 2 Phoebe feeding in Postroom off the tree, Blue Jay heard screaming.

Spent day in Museum reidentifying birds collected at Trinidad in 1894 and writing labels for them. I finished this task at 6 P.M. It was pleasantly interrupted for about half an hour in late P.M. by a call from Dick Dana & his Great Terrier "Tippecanoe". We sat in hall this eve E. R. S. reading around.

Cambridge - Boston

Ther

Friday, Mar. 3, 1916

Wear

Annuitant tax opinion. Muzgal.

Morning brilliantly clear, almost windless, moderately cool, wholly devoid of chill. Afternoon cloudy & very chilly with intermittent rain and snow.

In Garden: 2 im. Peewee Birds, Chickadee calling, Downy do., upwards of a dozen House Sparrows.

C. & I drove to subway at 10.15 & went thence to Boston where I left her at St. Pauls. Met John Abbott by appointment at our office 11 A.M. to get his advice respecting payment of income tax on my annuity. He thinks that without question it should be foregone by the estate as indeed the Will specifically directs. He promised to give me this opinion in writing later. Galloway heard it.

Lunched at Marshman's. Called at Harcourt for records & stopped a bit at Simmons & Marshall's, Horn. 3-38. Worked in Museum Lab. by Victoria Museum & reading the same.

Cambridge.

Ther

Saturday, Mar. 4, 1916

Wear
Fair

Forenoon Cloudy, after noon
Sunny. Seasonably Cool through
day with lower temperatures
at night. Good sleighing again.

In Garden @ Chickadees spending
much time among my birches on
Museum peering in at borders
where I was at work; 2 or
Peabody birds, one singing fairly;
a Blue Jay singing delightfully
soothe voice, close to my study
window, on Rhododendrons;
8 Flickers eating Parkman apple.
A dozen or more House Sparrows.

Spent day in Museum.
In forenoon wrote letters &
checked for bills; in afternoon
catalogued & labeled miscellaneous
sets of eggs, mostly very rare ones
from Mayes, Fitch & Banks.
Bethel music & reading about
in hall this evening.

Cambridge.

Ther

Sunday, Mar. 5, 1916

Wear
Fine

Clear & rather cold with light
northerly wind becoming blustering
in afternoon.

In Garden: 8 Robins, Chickadees!
3 dull plumaged Peabody birds, at least
a score of House Sparrows, a Blue
Jay, a ♂ Flicker, a ♀ Downy.
All these seen or heard shortly before
10 a.m. The Robins (4 ♂♂ & 4 ♀♀)
remained about the place all day
long making frequent visits to the
Parkman apple tree. Sometimes all
of them were in it at once feasting
on the berry like fruit. From it they flew
oftenest into nearby fences. They ate slowly
frequently & greedily. Saw one hover in
front of a tiny apple & pluck it off without
slighting so Robins are accustomed to do.
Saw Peabody birds eating these little
apples (or more probably their seeds) yesterday
& today. The Robins severely select
for most part but once one doing a little
silly work. It was good to see them
have I watched them upwards of an hour.

Spent most of day in Museum painting
letters. Mrs. Sawyer's Allen Allgeer donated
work us at 1.30. Bethel music afterwards

Cambridge.

Ther
10°

Monday, Mar. 6, 1916

Wear
Dull

Dark cloudy, cold in early morning
temperature rising through day, snow
fall after dark.

Birds in Garden: Crows cawing at
sunrise; 7 Robins & a ♂ Flicker in Parkman
apple; 2 Peabody birds also in it eating
its fruit (or seeds more likely); Blue Jay
just outside my study window singing
enthusiastically (at 11 a.m.) several louder
than a whistler, however. Many of his
low, sweet notes sounded like that of other
birds & he repeatedly gave a perfect

imitation of cawing of Crows seemingly
after off & on in gusting. In same
way he reproduced fairly his own
ordinary screaming caw. At noon a ♂
Harry Woodpecker appeared in jungle.

He had two rather widely separated
patches of pale pinkish red on occiput
thirty degrees from the bird seen
here on Jan. 19 who had normal red
marking.

Spent entire day in Museum
cataloging Trinidad birds. Mary
Greensough lunched with Mr. Nuttall Club
this evening. I visited talked down 2 rooms
with slides on Arctic birds & Labrador.

Cambridge

Ther

Tuesday, Mar. 7, 1916

Wear

Flood of birds.

Snow storm

Dark cloudy with snow falling
through much of forenoon, succeeded by
fine rain. 5 or 6 inches more snow on ground.

Garden literally flooded with birds
all day long. Most of them Robins &
Cedar birds, attracted by fruit of our
Parkman apple. At least half of what
had rotted the winter was eaten by
these greedy birds. I counted 30 Robins
in the tree at one time but ordinarily there
were not more than ten or a dozen. Saw
28, which appeared to be another lot, flying
over high in air at 10:30 a.m. The
Cedar birds numbered 8 constantly.
They spent part of their time just
conspicuously in the Suckle fruit tree.
Most of them showed red feeding song
on wings. The Robins sang a little
softly too. 2 Jays screaming kept
loud way near them. Downy
heard calling at noon and a
Peabody bird towards night. Hordes
of House Sparrows.

Mrs. Kern of Brookline telephoned
to let me know that the Saw 10 or 12
evening Grosbeaks in Brookline yesterday.
Others saw them a day or two earlier
in same place, eating European berries.
Spent day in Museum cataloging
Trinidad birds. Mary Greensough
lunched with us.

Cambridge.

Ther Wednesday, Mar. 8, 1916 ^{Wea} Stormy

Dark cloudy with N.E. wind and large flakes of damp snow falling all afternoon & evening clinging to every thing twig & shrouding the trees with snow-foliage of exquisite beauty & purity. Altogether this latest snow-fall must have added at least six inches to the hoar or more already covering the ground.

In Garden: 13 Robins & 8 Cedar birds in Parلمان apple at 9 a.m. They remained in or near it through whole day & by nightfall had stripped it almost clean of fruit. Saw also 2 Peabody birds, a ♀ Downy, a ♂ Flicker & a Blue Jay. Heard Crows at dusk. About 30 H. Sparrows

Spent day in Museum sorting letters & working on eggs. Kennard came over about 2.30 bringing a Blue Goose, several Texas Black Ducks (*maculosa*) & a Glossy Ibis (*guaraya*) which he had taken recently in Louisiana. He stayed until 5. H. M. Graham called later.

Cambridge.

Ther Thursday, Mar. 9, 1916 ^{Wea} Fine

Clear with light westerly wind. Rather cold the snow melting scarce any and now everywhere at least 18 inches deep.

In Garden: 13 Robins spending entire forenoon in Parلمان apple tree and stripping it of all remaining fruit apparently as well as gleaming thoroughly and what had fallen on the snow beneath. What will the Flickers do without it? I have not seen any there since yesterday when a ♂ scolded with the Robins seeming to regard their presence disapprovingly. I thought two Peabody birds & half a dozen House Sparrows at seed bed. A Chickadee, 2 Jays, 3 Crows

Spent day in Museum. Worked all forenoon on egg collection. Picked out a lot of duplicate sets for Miss Granger who came with Mr. Whittle at 2.30 & remained until 5.30. I also gave for a lot of bird skins. Sports evening in hall with C. & E. R. S.

Cambridge.

Ther

Friday, Mar. 10, 1916

Wea
Stormy

Dark cloudy with more snow
inconsiderable in total amount.
but falling almost ceaselessly in
large, scattered flakes through
fog. Temperature rising to
about freezing point as day advanced
melting most of snow on branches
of trees.

In Garden, only a very few
birds including an im. White-throated
Sparrow, 6 or 8 House Sparrows, one
or more Crows (heard). Saw
no Robins but Henry Spelman reports
one in his garden this morning.

There is nothing to attract them
here now for they have completely
stripped the Parkman apple tree.

Worked all day on the egg collecting,
picking out duplicates & rectifying
imperfect data wherever possible.

Months might profitably be devoted
to continuing this task if I only
had time to spare for it.

Cambridge.

Ther

Saturday, Mar. 11, 1916

Wea
Fine

Clear with light westerly wind
and rather low temperature above
the snow throwing but little
although sliding off Museum
roof in rumbling avalanches
during mid-day hours.

In Garden: a general dearth
of birds. 2 Chickadees & 2 Peewees
birds with about a dozen House
Sparrows and one or two loud-
screaming Jays were all I noted.

Spent day in Museum
working on egg collection, picking
out duplicates, discarding sets
with unsatisfactory data,
rearranging by many others.
The great beauty & interest of
many of the specimens impressed
me deeply and I love to handle
and admire them. I still retain
a few single and - blown eggs taken
in 1865 for perhaps early
Dick Dana, called at 9 P.M. bringing his
son to call. They stayed about an hour.

Cambridge

Ther

Sunday, Mar. 12, 1916

7 Wea
Time

Clear, calm, seasonably cool, the snow thawing only moderately at noon tide. From the west just it continues to overlie the fields to a depth of considerably more than 12 inches and to afford excellent slipping on some city streets. Hence the conditions remain essentially winter, with little or nothing visible or audible to suggest the near approach of spring. Even the Thrushes have not begun to show or drum.

Because of a head cold which developed yesterday & was rather troublesome through last night I did not go out, even to Museum, to-day. Wrote letters in A.M. Alice Allen & Frank Manning dined with C. & me. He had a little beetle-like manner. Frank stayed with me until 5 P.M.

Cambridge.

Ther

Monday, Mar. 13, 1916

7 Wea
Time

Clear, calm, mild. Heavy thaw on, the snow settling fast in furrows and flooding streets with slush through which automobiles dashed at full speed, scattering it on every side. Those who were out of doors in forenoon reported a spring-like "feel" or quality to the air.

I was hounded all day by my cold which, however, seems to be passing off to-night. I read through forenoon & was read to in afternoon when I also amused myself for an hour or more by the absurd diversion of sitting before the parlor window watching "the passing" on Brook Street. The small boys were snow-balling each other & the punge just as we used to fifty years ago.

Cambridge.

Ther

Tuesday, Mar. 14, 1916

Wea
Dust

Cloudy calm & mild with rain at nightfall. Snow washing rapidly and streets rivers of slush

In Garden: Chickadee (heard), 2 in. Peabody birds, about a dozen House Sparrows, Jay (heard), Crows (heard in early morning).

Spent day in Museum.
Devoted most of forenoon to trying out a vacuum cleaner brought out from "Boston by the Agent who demonstrated" it so satisfactorily that I finally purchased it (\$46.50)
Wrote letters in P.M.
Had the usual reading aloud ("Gust's Diamonds") & Victrola music in hall this evening when we tried several new Victor records & accepted two of them.

Cambridge.

Ther

Wednesday, Mar. 15, 1916

Wea
Snow Storm

Snowing almost ceaselessly and at times heavily, from early morn to late night, adding at least another foot of snow to that left over from the recent thaw which did not perhaps exceed ten inches. This present storm is, I think, the heaviest snow-fall of the winter. A strong N.E. wind has drifted the snow badly in exposed places.

In Garden: Heard a Peabody bird chirping near Museum
Saw a few House Sparrows.

A.C. Bent arrived about 10 A.M. to spend the day working on my birds. I was with him part of time but mostly at work tulling over the Peabody collection. Alice Stone lunchd with us. We had Victrola music & reading in hall this evening.

Cambridge.

Ther Thursday, Mar. 16, 1916 Wea
Fine

Brilliantly clear with keen, calm wintery air. According to the newspapers no more than 8 inches of snow fell yesterday but it is piled then or four feet high where shoveled out along our walks & Brattle Street road of "drifts snow or eight feet deep." At Concord where the public roads are well-nigh impassable & the road roads give so, he says.

In Garden: Chickadee, Jay, Downy & Crow heard; 2 in. Peabody birds with about 10 House Sparrows at the feed bed. As far as I am able to judge by conditions here there has been no arrival of migrants from further south as yet, unless perhaps that of the Robins & Cedar birds may be so considered.

Worked all day on Purdie Collection. Dick Davis called in late P.M. & we had a good chat of our home birds.

Cambridge.

Ther Friday, Mar. 17, 1916 Wea
12° Fine

Brilliantly clear and colder with high north-west winds. Fine sleighing, hard going for motor cars.

In Garden: A Jay foraging for bread in company with House Sparrows. Heard a Peabody bird chirping.

Spent day in Museum working in gallery on the Purdie Collection. Arthur Bent arrived about 10 a.m. & remained until 1 P.M., talking notes of some of my large winter birds.

Gilbert brought out a lot of Gogova records which we had this evening. They proved altogether disappointing & I shall have to return many over of them.

Cambridge.

Ther 5⁰, 20⁰ Saturday, Mar. 18, 1916 Wea Fine

Clear and cold with light northerly wind. Snow gleaming in clear sunlight & creaking loudly beneath runners of passing loaded sleds & jumps.

In Garden: An in Readbury bird with about 10 House Sparrows, at seed bed; 2 Jays flitting through lilacs.

Spent day in Museum. Walter Deane arrived soon after breakfast bringing tail & legs. Howell shot by Mr. Merckens party in Alberta last autumn. They thought it a Rough-leg but it does not agree with that or with any thing in my collection although nearest Buteo calurus. Walter & I concluded after spending most of forenoon comparing it. After that I worked on Pardalipicus. Mary Deane lunched with us

Cambridge - Boston

Ther 8⁰, 24⁰ Sunday, Mar. 19, 1916 Wea Fine

Clear & cold with light northerly wind. Fine sleighing.

In Garden: Chickadee, Dorsey & Crows heard; 2 Jays; 2 Tree Sparrows, 3 in. Peewee birds and rather more than a dozen House Sparrows assembled in late afternoon (4.30) to feast on seed that I had just put out for them under the lilacs. The Tree Sparrows mingled with the rest for but a brief interval and after that kept aloof, flitting hither & thither among the dead stalks of perennial plants rising above the deep snow.

At 9.50 C. & I started to walk to Harvard Square where we met Loring Fisher & with her went on town to church at St. Pauls. Home by 1. Allen Alleyne & Billy Hoffman at dinner. Bedtime again.

Cambridge.

Ther Monday, Mar. 20, 1916 Wea
10°, 26° Fine

Clear & cold with harsh &
violent north-west wind.

Despite these wintery conditions the
sun's rays beat down strongly,
melting the snow fast in sheltered
places.

In Garden: 2 Chickadees (heard),
White-throated Sparrows & Bluejays
were the only birds I noted
save the ever-present House
Sparrows.

Spent day in Museum
working assiduously on the
weeding out of duplicate skins
from the collection. Gilbert
took about 140 of them
down to Mrs. Condy. Tol.
He also motored C. into Boston.

Nutshell Club meeting this
evening. Only 12 members present.
Glover Allen gave "Impressions
of California Birds".

Cambridge.

Ther Tuesday, Mar. 21, 1916 Wea
38° Fine

Sunny for most part & comparatively
mild, but not without snow
flurries especially in early afternoon
when for half an hour the more,
large, scattered snow flakes floated
careward at frequent intervals.

In Garden: (2) Chickadees, (6)
Blue Jays, at least one Red-bellied
bird, some 10 or 20 House Sparrows.

Working in Museum all day,
in forenoon on bird skins,
in afternoon mostly on eggs
of which I rearranged the
entire series of Osprey's eggs.
They quite fill a wooden
tray in one of the large cases
and show great diversity, as
well as beauty, of coloring &
marking.

Dick Dana called at 4.30 &
spent about an hour. He talked
of the Great War mostly.

Cambridge.

Ther Wednesday, Mar. 22, 1916 Wea
Snow Storm

Snowing thick & fast during most of day. About 6 inches of wet, heavy snow had fallen by night making with that left over from previous storms snowdrifts near two feet of snow on the level now covering our city lawns & dooryards. According to the weather bureau reports the total snowfall for this month of March has broken all previous records for the neighborhood of Boston.

In Garden: an in Parus bird, 2 Jays, & Dorsey (at nest) a dozen or more House Sparrows.

Worked all day in gallery of Museum rearranging eggs, chiefly those of Hawks.

Mrs. Stone & Miss Jessie Chapman dined with us.

We had Victoriana Muses & Corby about in hall this evening.

Cambridge - Boston.

Ther Thursday, Mar. 23, 1916 Wea
Fine

Brilliantly clear, almost windless, not cold.

Exquisitely beautiful "sun-fog" in early morning, soon marred, however by the sun rays which melted the snow fast wherever they struck, on a fairly and cast a dazzling light from its spotted surface away others.

In Garden: a Parus bird only.

Started for Boston at 10.30.

Stopped at Harvard Square to have pictures to be framed; at City Hall for gunner's license; at Cambridgeport Savings Bank to deposit \$200.

Reached our office at 11.30. Signed quarterly Est. at Cheques, dictated letter to Haley, talked with Stet.

Buttrick & gave him Cheque \$500 for deposit in Concord Savings Bank. Also bought 1000 House Sparrows on Long Island Sound at Massena. Had hair cut at Stations on South Platte. Got several records at Carlson's Graph. Co. Played them then coming to C.

Cambridge

Ther

Friday, Mar. 24, 1916

Wear
Fine

Clear, calm, mild. Snow melting fast & much bare ground showing in city streets before night but none elsewhere save where the snow has been removed as in front of Museum where green crocus shoots are now appearing.

Noted no birds other than a Crow & a few House Sparrows.

Spent day in Museum rearranging eggs. Mrs. J. H. Smith came at 2.30 P.M. to pack the collection of eggs & skins I have laid aside for Mrs. Granger. This occupied him & Gilbert most of the afternoon.

E. R. S. went to her Bar this evening. C. & I had a good Victoria Concert with some beautiful Gluck records bought lately. I also read the war news to her.

Cambridge

Census & Snow drops bloom

Ther

Saturday, Mar. 25, 1916

Wear

48°

Flicker Shouting

Fine

Clear, calm, warm. A really spring like day, almost, if not quite, the first. Snow melting fast in fields & yards. Streets deep in slush.

Recently increased snow drops in front of Museum showed several large white flower buds to day. Two yellow crocuses in full bloom front of house where Percy claims to have seen them a week or more ago.

In Garden: Chickadee calling; White-bellied Nuthatch singing and Flicker shouting (at 9 a.m.); Peewee bird singing; 2 Jays screaming; 2 Crows flying low.

Worked on egg collection through A.M. Mrs. Osborne of Winthrop came by appointment at 2.45 P.M. with her Camp Fire Girls, nine in number. E. Martin D. & I examined them in house & showed them objects of interest. Walter & I then showed them afternoon in Museum where they stayed until 4.45. Dick Dana came just before them.

Cambridge.

Ther
54°

Sunday, Mar. 26, 1916

Wear
Fine

Clear and very warm with light, soft southerly wind. Snow sitting fast everywhere & vanishing completely on sunny slopes where bare ground is beginning to appear. A dozen or more crocuses yellow, purple & white, in bloom. Some of house & many snow drops in flower. Meadows. Altogether the conditions are now more suggestive of spring than of winter despite the deep snow depths still conspicuous almost everywhere.

In Garden. Purple Finch (gray one) singing. Sitta borealis while hopping over snow under Postman's office tree; Chickadee & Peewee bird calling. Chickadee thrumming in longfellow pine. Whistler off to the west. Went in town at 10.15 to meet C.

at St. Pauls. We came out together at 12.30 & walked off from here. I saw Alice Alllyn & Miss Purdie dined with us. Much better weather after dinner. Harry Barthele called this morning.

Cambridge.

Ther

Monday, Mar. 27, 1916

Wear

Fine

Sunny but hazy. Clouds gathering in late P.M. Almost windless but with occasional light draughts, easterly breeze. Many more crocuses & snow drops out to-day. Robin in nearly full song at sundown.

In Garden: Purple Finch & Peewee bird singing very low - almost in a whisper - at intervals through day. A Robin began singing just after sunset & kept it up at intervals for perhaps twenty minutes. How good it was to hear his ferocious cheery notes once more when I have so often first heard them in spring about ten days later or a little earlier. 2 Blue jays, a Chickadee & a ♂ Downy, also a Crow.

Worked all day on the egg collection. Representations of me on them than Boston papers (Journal Travels & American) came out to photograph my 3 children's head (Stebbins) & to question me about it.

Cambridge

Ther
52°

Tuesday, Mar. 28, 1916

Wear
fine

Sunny, calm, warm. Bare ground showing here & there in garden & lawn, the bare spaces broadening surprisingly as day wore on. 2 Squirrels, many Crows, Cuckoos, Snow drops, in bloom but no Bees about them yet.

In Garden: Chickadee calling; 3 gray Purple Finches feeding on buds under Barkman apple, one warbling softly & delightfully on frequent intrusions all day. Crow-Blackbird heard almost incessantly though P.M. I could see but one bird, a ♂ on ground in jungle; 2 White-throated Sparrows going to roost at sunset in bird over Museum door. ♂ & ♀ Doves; 2 Jays; 1 or 2 Crows.

Spent day in Museum working on rearranging eggs - mostly Doves. L. having serious trouble with eggs again due to darkening light. We had Excelsior in hall this evening

Cambridge.

Ther
42°

Wednesday, Mar. 29, 1916

Wear
Dull.

Cloudy with light, chill, easterly wind and fine rain at nightfall.

In Garden: A Chickadee; 2 imm. Peewees birds, one singing freely but faintly; 4 Cedar-birds, all conspicuously "wax tipped", with 3 gray Purple Finches, eating hips of Rosa multiflora in view directly under gallery windows of Museum where I watched them a long time, in company with Outram Bongs in P.M. 2 Jays; Crows heard; ♂ Doves. Walking up Brattle Street just after breakfast I heard a Song Sparrow singing in the Blatford grounds & saw 2 Robins & 3 Grackles in the Nichols place. A Flicker skunking there

Spent most of day in Museum working on egg collection. O. Bangs called in P.M. bringing back some borrowed birds & staying over on lawn. We dined at our house this evening. Emerson came up apt. Band. Drums carles very pretty by Alice Stone.

Cambridge - Boston.

Ther Thursday, Mar. 30, 1916 Wea
Mixed.

Morning thin cloudy; afternoon bright sunny. Calm; mild. Snow & ice disappearing as if by magic yet without now leaving much surface water. This morning our lawn was more than one half snow-covered, by night three quarters bare ground. The river open above Harvard Square but still ice-bound below Harvard Bridge.

In Garden: Robin running over bare turf of lawn & c. m.; Peabody bird & Purple Finch singing both voice; 2 Jays.

To Boston at 10.30. In our office much of time from noon to 4 P.M. Called at Steinert & at Columbia Graphophone place getting a lot of records at each for trials. Also visited Parry Pollard place in quest of more Jan. Tail Pigeons for Concord. They had none but can get some from G. J. Terrell's brood in February cage. Find Columbia records this evening & shall keep at least one of o.

Cambridge.

Ther Friday, Mar. 31, 1916 Wea
F. quarter calm.

Clear, calm, soft & spring-like. Streets dry & dusty, snow washing fast and mostly gone from our survey of persons but still lying in deep drifts on north sides of fences, buildings etc.

In Garden. A Robin calling; a Purple Finch singing both voice; 2 Jays; a ♀ Downy; a White-throated Sparrow whistling softly; 3 Grackles in tree tops.

Motored to Harvard Square with E. R. S. at 10 a.m. She went to her dentist. I did some shopping & then motored over to Mrs. Cony. Land. where I had a talk with Sam. Henshaw & spent an hour in bed room with Bessie & Beate. The latter came to my Museum in P.M. to talk notes on my Wood Duck.

Finches came out this evening at 8 & stayed until 11. He had a good talk & some birds to make which he shows.

Cambridge. Boston

Ther
60°

Saturday, April 1, 1916

First Bees.

Wea
Fine

Clear, calm, very warm. City
lawns for most part free from
snow and ice, the grass showing
green in sheltered spots. Our
Crocuses and snow-drops about at
their best. Squirrels only beginning to
show here & there. Bees out in
plenty about their flowers to-day

In Garden: 2 ♂♂ Robins running on
lawn with occasional jabs at each other;
Song Sparrows singing freely; 3 Fox
Sparrows, one of them in faint song;
2 Jays; 5 Crows; ♀ Downy;
Browns Grackles, Peabody bird singing
sotto voce; Purple Finch ditto. Robin
in full joyous song in early morn
& again just after sunset.

Wrote letters in forenoon. In Boston at
11.30. Called at Columbia plan to return
records; as Dr. Blais offers to loan my
ears boxed up. Arrived at Copley-
Place. Called on Miss. Stay in Studio.
She showed me all Wells paintings &
generally light remarks I enjoyed greatly.

Cambridge.

Ther

Sunday, April 2, 1916

Wea
Fine

Clear, calm, slightly cool.

In Garden: 2 Robins; Bluebird under
warbling, on wing in direction of the
Horsefords house; Purple Finch, singing
sotto voce; Peabody bird, on in dull
flouring; Downy, ♀; 2 Jays; 3 Crows;
9 Brown Grackles on wing.

Spent most of forenoon in
Museum writing letters. Escorted
C. to St. John's at noon, leaving
his train for Communion Service.
Returning met Will Hall & stopped
for talk with him. He still skates.
He was leading on leash a very
handsome Irish terrier.

Walter & Margie Deane died
last wk. Harry & May Cunningham
arrived to call before they left.
After we had departed I went down
to see Miss Allgren who was not well,
talking several records to play to her.
Played various others to C. this
evening.

Cambridge.

Ther

Monday, April 3, 1916

7 Wea
fine

Clear & cool with light northerly wind shifting to E. in P.M.

In Garden: Robins ♂♂♀, one singing well at evening. They were much on ground when I saw one pull out & devour a large earthworm. Purple Finches 3 red ♂♂ with 4 grey birds feeding mostly on ground under Partridge's apple & doubtless on seeds of its fruit dropped there by other birds earlier in the year. One of two males sang superbly at frequent intervals while perched in trees.

A solitary Fox Sparrow sang a little but brokenly. Three Peewee birds at seed bed, two chest plumaged, one a handsome white-throated bird. Flicker shouting & drumming. Jays & Grackles heard.

Spent day in Museum sorting lectures & putting away things for the summer. Northall Club this evening. Higbee lantern slide talk on Florida. Uncommonly good in very brief.

Cambridge - Concord. move to Concord.

Ther

Tuesday, April 4, 1916

Wea

Smoking resumed (after 3 mos.). Stormy

Dark cloudy with almost incessant fine rain driven across a dreary landscape by chill N.E. wind.

In Cambridge Garden: a Purple Finch singing fitfully at 8 a.m. Cedarbirds in Concord Farm. Song Sparrows & a Red wing singing a little, Robins calling at evening. Large flock of juncos rising from miller in orchard. Pheasant tracks in snow. Toads reports hearing for "Toads" yesterday.

It was a dreary enough day for the annual spring flight to Concord with Gilbert & I, with "Ginseng" started, nevertheless, at 9 a.m. in the Ford car crammed full with miscellaneous things.

We found roads bad in spots & altogether abominably after having Caribou, the open country, deeply rutted of heavy snow. Roads very high & in some parts open to the wind, but in some parts covered with snow. No snow until after passing Bedford. Deep drifts of it in places. Rained about 1 p.m. in P.M. Toads having much. George just back from a long elaborate looking very much and up by 10, that my first brother went Jan. 10, that for him.

Concord (Farm)

Fifth Saw 4 Deer together.

Ther Wednesday, April 5, 1916 Wea
Wood Frogs in full cry Fine

Clear with light northerly wind. Cool at morn & eve. Warm through day. Snow-drops & purple Ladys delights in bloom. So large brown Butterflies & tiny ones similarly colored out on wing.

Very many early spring birds.

2 pairs of Bluebirds, the males singing divorce; 6 or 8 Robins, at least 2 in full song at sunset; Chickadees *;

6 or 7 Song Sparrows singing sweetly but somewhat brokenly as is their wont at this season; about 30 juncos trilling carelessly; 2 Phoebe in full song; several Red-wings do, 4 Cowbirds (2♂ 2♀) on ground; 5 hens Thrashers together in vegetable garden front of house at noon; 5 Red Crossbills on Pulpit Rock round; Cooper Sparrows *.

Wood Frogs croaking in full chorus in pond below orchard. Fifth Saw 4 Deer together Bigelow Road. Fresh tracks of deer in our Berry Pasture.

First entire day out of doors. Had 4 men hewing brush on West Field & about Farm. Lumber & 9 small dogs. Berry Pasture & then at sunset

Concord (Farm)

Ther Thursday, April 6, 1916 Wea
Fine

Sunny but hazy. Rather cool; light E. wind. Cloudy by 9 P.M. Raining heavily 10 P.M.

Birds abundant and singing fairly all day long, filling air with their tender, plaintive, rather subdued music characteristic of early spring in Mass. Most of it was contributed by Bluebirds, Song Sparrows, Phoebe, Juncos & Red-wings. The Robins silent through day save for occasional calling but at evening (6.30) they sang freely for & near uniting their voices in a ceaseless chorus lasting about 15 minutes. Red shouldered Hawk screaming afar off towards Benders in forenoon. Four silent Fox Sparrows in orchard.

Two Tree Swallows circling high at 11 A.M. Cock Thrushes crowded over. Solitary Goldfinch & little Starling, one wing.

Grand chorus of Wood Frogs in pond below orchard although it rained near then 1/2 frozen over. No Hylas yet.

Spent day out of doors. Burnt grass & put up bird houses. Four men hewing brush about Cow Pasture.

Concord (Farm)

Ther

Friday, April 7, 1916

Wea
Fine

Brilliantly clear with cold & violent
N. W. wind.

Birds mostly silenced & driven to
cover by the harsh & raging wind
so that I saw or heard only a
few. Among these were several
Juncos, a Chickadee, a Gold Crest
Kinglet, a Meadow Lark and
a Thrush (both singing). The even song
of the Robins was full and
delightful above all.

At the edge of a little opening in
Pulpit Rock woods I found apparently
all the feathers of a Partridge strewn
thickly over the ground but no other
remains. As the wing & tail quills had all
been pulled out and as two broad splashes
of dead chertish white of snow were among
them the bird must have been killed &
eaten by a Hawk or Owl & perhaps by a
Jackhawk although I have not heard of
the local occurrence of this species of late.

Spent day in Cedar Park cutting
& burning brush. Only Busbuck & Zeph
working there with me.

Concord (Farm)

Ther

Saturday, April 8, 1916

Wea
Dull

Evening Grosbeaks in Concord

Cloudy with strong, intensely chilly,
North-east wind. Snow flakes began
falling at 4.30 P.M. Coming thicker & faster.
They had whitened the entire face of the country
by night fall and have not yet ceased (9 P.M.)

2 Fox Sparrows in full song at intervals
through forenoon. At noon they were feeding on
ground front of barn where we had put out
hemp & millet seed. 40 juncos were feeding
on it at 5 P.M. I noted few other birds.

In these places other than that noticed
yesterday I found to-day feathers of a
Partridge that had apparently been killed by a Hawk.

Miss Mary Eaton reported by telephone this
evening the appearance of Evening Grosbeaks this
forenoon (10.30) in her grounds at Concord
village. She saw six (1 ♂ 5 ♀♀) close to her
house, at first in a birch, near a ground
beneath it. When at length they flew off
five or six others joined them, coming
from the direction of the pond. There
are large ash trees near by on the side
of which Purple Finches had fed for
past few days. She did not see the Grosbeaks
eating. Evening Grosbeaks all day in the trees.

Concord (Farm)

Heavy snow - storm

Ther

Sunday, April 9, 1916

Wea

Evening Grosbeaks

Stormy

Dark, cloudy with violent N.E. wind and dense, incessant fall of large snow flakes. Barabrack says it snowed all last night. At day break the snow covered the ground to a depth of two inches & by sunset it was four or five inches deep.

We cleared the snow from a small space in front of house & put milk there & in the open fields.

Upwards of 20 juncos, 3 Song Sparrows & 2 Fox Sparrows fed on it freely in both places. The Fox Sparrows being glumly at times. Two obviously shining Bluebirds perched close to the windows under the eaves of house. 10 Robins feeding on barabrack along wall by road. Coal Pheasant strutting across field.

Miss Eaton reported 4 Evening Grosbeaks near her house at 8 a.m. Dexter saw 8 (1 ♂, 7 in ♀ fl.) there at noon.

I spent most of day in house writing letters considerably. Poor Jimmy with me, very unhappy because he had no walk at all.

Concord (Farm)

Very cloudy

First Hyla

Ther

Monday, April 10, 1916

Wea

Pink Sisters, Evening Grosbeaks

Fine

Brilliantly clear & comfortably warm with light N.E. wind. "White world" at early morn the ground uniformly covered with snow 4" deep, every branch & twig loaded with it, all the tree trunks so completely encased that the woodland everywhere looked as if made up wholly of white branches - a novel effect. Sunlight painfully dazzling at first. Much bare ground by noon & exposed fields mostly bare by evening. A large brown Bunting on wing over snow at 10 a.m.

No sight near house of Bluebirds. Only a few Robins. One silent Pheasant at Puffin Rock. Flocks of juncos at farm & about 20 in Birch Field feeding in tops of bushes as was 5 Goldfinches. Heard a Pink Sister there. 2 Fox Sparrows front of house. 2 Blue jays & a horned Lark (Birch Field). Dexter saw the 4 Evening Grosbeaks (1 ♂, 3 ♀) at Miss Eaton's. Hebe Howe asked her to let him shoot our best the expected.

With Barabrack & George I spent day in Puffin Rock woods cutting & burning trees & brush. Jimmy with me.

One Hyla, the first, piping, late afternoon.

Concord (Farm)

Ther Tuesday, April 11, 1916 Wea
Evening Grosbeaks (2) Kingfishers - Fine

Brilliantly clear with light N. wind.
Ground hard-frozen at sunrise. Most
of day comfortably warm.

Wood Frogs in clearing chorus in
forest. Below orchard, also in lawn.

One Hyla peeping in lawn.

Not very many birds & only a few singing
save juncos. They were at their best, in
upper orchard, 3 P.M., flanking calm air
with musical melody of subdominant notes &
liquid notes. 3 Fox Sparrows, one singing
discreetly. Silent Phoebe on barn eaves.

One P. humbird in full song. 2 Goldfinches
buzzing at bay. Red-should Hawk
soaring high with ringing screaming over
or beyond our corn pasture. Dead silver
in woodland seen for Frogs.

At 8 A.M. 2 Kingfishers flew low over our
orchard, rattling. One kept on motioned, the
other alighted for 1/2 minute among slender
spruce in top of elm over lawn.

Miss Eaton reports 8 Evening Grosbeaks about
her house all day yesterday but none there
to-day. Toph. heard, heard only song very at
daybreak. One morning was her house.
I spent morning collecting & working on Puffin &
mistle. Afternoon feeding of bird house.

Concord (Farm & Village)

Ther Wednesday, April 12, 1916 Wea
Evening Grosbeaks seen by W.B. Mix ed
Forenoon raining up to 10 o'clock; after that thin
cloudy. Afternoon partly sunny. Light N.W. wind.

Miss Mary Eaton telephoned at 9.15 that the
Evening Grosbeaks had reappeared. I started as
soon as the Ford car could be got ready &

reached her house about 9.45. The birds had been
seen near the house only five minutes before but
were gone when I arrived. We soon found them
on the hillside beyond in a grassy hollow, the
single ♂, a much handsomer bird than either of
those at Lexington, was on the ground at first while in
an apple tree above him were 10 birds in 2 gosh.
There the flock numbered 11 members in all although
not more than 8 have been seen before at Concord
since the first day (8th) when Miss Eaton thought
she saw about 12 but made him of only 6.
We watched them this morning for about 1/2 hour.
They remained long in the apple tree, sometimes
scattered all over it occasionally clustering near
leaves, pecking each & standing, hopping or
flitting busily when they moved, even shuffling
& crouching of movement, silent for the most part
but every now & then uttering the song Sparrows
call, easily mistaken for those of the Sparrows but
apparently shriller & more peeping or as Miss E.
said, much like (i) Hyla - little. Other than
these notes I heard no vocal sounds whatever.
There was a Horn Sparrow (1) with them in
the apple tree. At length they left it & went
straight unobscuredly into the light night
over the hill top to a cluster of grey beeches
where they alighted & remained for many
minutes, as silent as before. Finally
they flew over a light misty wood. Where
they have been feeding mostly close to the
house. I found the ground thickly strewn
with winged seeds beneath a tree 5 ft. tall
& over a foot through at base which I think
is a box elder. A large ash stands not
far off but they have not been seen to touch
it although seeds are thickly caught in its
lower branches.
Got back at 11.30. Spent 5 P.M. in
Puffin Rock woods with Toph & George.

Concord - Boston - Cambridge.

Ther Thursday, April 13, 1916 Wea
Dull.

Early morn Sunny followed by a dull
cloudy, rather chilly, day, light N.W. wind

Leaving Farm at 7.45 Gilbert motored
me to Concord where I took 8.03 train for
Boston, he keeping on to Cambridge with Jimmy
In cars found Geo. White & Charles Prescott with
both of whom I talked. Prescott has fed a
flock of 12 Meadow Larks & another of 14 Larks
near his house all winter.

Reaching Boston I went first to Park-Rollins
place & bought 2 prs. White Fantail Pigeons.
Went to our office where I spent forenoon.
Darling had been offered \$4000 cash & an
equity of \$5000, in a Commercial St. Store for
our Pearl St. block & a house in Roxbury. H.C.,
Galloupe & Buttrill seemed to favor the
exchange. But John Abbott whom I sent for
said at once that the Will did not sanction

any such transaction. Darling then sold the
house for \$3400. It cost us over 6000 (by far) & was
called out rather to my grief & at last for
Eastern City for C. H. at 3.30. Walked
in Museum until dark. Called on Walter &
Morgan I came after that. Spent evening in
hall with C. & B. R. S. who had about 100
A. Fox Sparrows & Purple Finches in full song
in garden. Several Robins calling

Cambridge - Concord (Farm)

Ther Friday, April 14, 1916 Wea
Another snow-fall. Stormy

Dark cloudy, with strong intensely
chilly north-east wind and steady
downpour of rain which changed to
snow at 1 P.M. covering the ground to
a depth of an inch or more & loading
the tree branches, by nightfall.

In Garden: a Fox Sparrow, singing
divinely; at least one Peewee Oriole,
also in full song; 5 Gray Purple Finches,
one of which sang fairly well; 2 or 3
Robins; Crows heard.

Gilbert & I had a drizzly & very chilly
ride back to Concord. Starting at 10 a.m.
we first made a short halt at Harvard
Camp and kept a long one (over an hour)
at Black-Robinson Nursery where I
bought 18 Box-wood bushes & to my great
surprise found Mountain Chambrass
installed in Gladioli department.

Reached Farm about 12.30. Made
bathes after dinner until 6 P.M. when
Jimmy & I had a rather long & very
interesting walk through the snow-clad
woods. Very beautiful to behold in
this conventional country gook.

Concord (Farm)

Ther Saturday, April 15, 1916 Wea
Fair

Brilliantly clear with fresh N. W. wind
Wintry-looking morning with ground
completely covered to a depth of two
inches & trees well coated, with snow.
It melted fast under the sun's strong
rays & was wholly gone by night even
in the depths of canyon crevices.

Spent most of forenoon in
hedges near Charley's horse's groom, where
Blackbirds & Geese were hanging &
Crowing freely. Chickadees singing
& Red-shouldered Hawks hovering.
Blackbirds singing well on early morn.

Wrote letters after dinner. H. M. Spelman
arrived at 3.40. He stayed one
hour after & tramped through farm
woods until sunset. Came upon
them through the shadows together among
pines near Pulpit Rock. A
Robin in full, delightful song
at sunset.

Concord (Farm & Ball's Hill)

Ther Sunday, April 16, 1916 Wea
First Chilly. Wood Frogs Perfect

Cloudless, a breeze, windless, delightfully
warm & springlike. This was the best day of
the spring thus far. Crocuses in full
bloom all about the house. Squirrels thronging
in flocks. Hylas birds about to burst.
Bathursts of at least 4 species, including
the first Aethya, flocking about. Wood
Frogs in full cry by hundreds in every
faint pool. Nearly full chorus (for first time)
of Hylas at evening.

Not only many birds but also singing
freely - Robins, Blackbirds, Song Sparrows,
Juncos etc. First Chipping (Sparrow)
Psalms of Capem thronging in end of A.M.
Snipe thronging at P.M. in moonlight
haze of fog off Tuxton Heights Brook.
5. Swallows about boxes at Farm, 2 in
Barn's Pasture. Goshawk(?) on Birch Street.

Examined several wood frogs closely in
pools. They were all as uniformly blackish
as the darkest-colored Wood & the black.
head dark, now and again 3 ft. away.
Hobby Sparrows & I went to Ball's Hill
in forenoon, day beautiful & perfect
there. No sun on water. Over that very day
the spent wood from collecting the Wood Frog
could find no more strange in B. H. ponds.
In mud after noon the first again
heard about until found on farm.

Concord Farm

Ther

Monday, April 17, 1916

Wea
Dull.

Cloudy with light, warm S.W. wind which brought rain in late P.M. Vegetation beginning to advance. Gooseberry bushes ahead green with partly expanded leaves. Alders lining with yellow catkins. A few red maples in blossom. Lilac buds about to burst. Grass very green. First noted: Ruby-Crowned Kinglet (Birch Field), Field Sparrow (our apple orchard), Barn Swallow (by Dexter, at Concord), Purple Finch (first for our farm), Marsh Hawk 2 flying over Lawrence's field.

Spent forenoon setting out rose bushes with Burbank, pruned Thimbleberry & other farm work.

Dexter came down to dinner. After it we had a pleasant & interesting walk through Birch Field & about Farm. Robins, Bluebirds, Wren, Song & Field Sparrows, Goldfinch, & Ruby Crowned Kinglet fairly. Began by 4 P.M.

Concord Farm

Ther

Tuesday, April 18, 1916

Wea
Cold & dreary

Cloudy with strong, cold north wind, accompanied, in late P.M. & evening, by frequent showers of sleety rain.

Birds not much in evidence for the most part silent although 2 Field Sps. chattered incessantly in forenoon. I heard no Robin & only a little Bluebird or Song Sparrow music. Fair Rusty Blackbird in clover by cow pasture uttering their jingling melody. A Meadow Lark singing in Lawrence field. Started 3 Towhees (♂ & ♀) in Birch Field, one of the crows flying from a stone wall where he had been heard driving a few moments before.

Frogs scarcely silent all day. Toad described downing a Snipe at night near his home at Concord & says they have been out a much of late.

Spent forenoon with Burbank transplanting fruit & other trees. Worked through Birch Field after dinner. At 4 P.M. returned to Concord & took Mrs. Mahon to sleep. Walked where we descended & filled by the planting of new laurels & some bushes.

Concord (Farm)

Ther Wednesday, April 19, 1916 Wea
Goshawk Fine

Brightness clear with high, cold N. W. wind. Robins in late P.M. when it hottest. Small birds mostly silent & not otherwise much in evidence. Bluebirds & Meadow Larks sang rather freely but I heard no Robin music nor Song Sparrow, etc.

About 3 P.M., while standing near Putney Rock, I saw a ♀ Goshawk coming directly towards me from Bush Field. It followed precisely the same course & direction as the one seen on 16th & was, no doubt, the selfsame bird. It looked almost as big as an Osprey but had the form & proportions of a Cooper's Hawk & much the same exceedingly swift gliding flight performed with only an occasional wing beat & suggestion akin of leisurely stealth & terrific momentum. As it passed within 60 yards, in full sunlight &

below tops of taller trees, I could see that it was now fully adult, the "blue" of the upper parts being tinged with faded brown & the brown parts very coarsely mottled with blackish. This, doubtless, was the stage of all the Peregrines whose feathers I have found & late about one week. Spent most of day in Putney Rock woods where Zeph & George were killing tiny birds.

Concord (Farm)

Ther Thursday, April 20, 1916 Wea
Perfect

Clear, warm, almost windless.

Birds singing freely & delightfully all day long yet present in no great numbers apparently, Juncos being the only exception to this rule. Of them I saw at least 40 in our orchard which they enlivened by their ceaseless chirpings & low, sweet, twittering songs. Our Phoebe was in & about the barn cellar but the ♂ kept silent. A Towhee was drumming on the stone wall in run at 10 P.M. last night & through most of to-day. Bluebirds still singing freely. Only single pair of Swallows at 3 P.M. my attention was called by Blackbird to a big bird passing over N. E. at an immense height - fully a mile I thought. Even though my glass it looked even larger than a Swallow. I took it to be a Fish Hawk, migrating.

Barbours & I spent entire day grafting apple trees. Zeph & George became an immense lot of brush in west run near Putney Rock.

Concord (Farm)

Ther

Friday, April 21, 1916

Washed

Wea
Dull

Dark cloudy with a little fine rain in morning. Light easterly breeze. Rather cool.

Not many birds nor much bird music save from Bluebirds in early morning, Juncos through day, Robins at evening. A Carolina Dove coming at short, regular intervals about 9 a.m. in Prescott pine woods. Pine Warblers & Ruby-crown Kinglet singing in forenoon near Pulpit Rock. In that same neighborhood a Weasel was seen, running along an old wall, by George. He says it was almost a foot in length, largely white in color and very feebly, glaring at him threateningly, he thought.

Spent entire day in Pulpit Rock woods with three men. George & Sept cleaned up the base of the brush & down timber, Burdette helped us to transplant a lot of young cedars & a few laurels & hawthorn & grand junipers

Concord (Farm)

Ther

Saturday, April 22, 1916

Wea
Stormy

Forenoon cloudy with strong, chill, N.E. wind. Raining heavily all afternoon. Altogether a rather depressing and unpleasant day out of doors.

Comparatively few birds & their mostly silent save a Field Sparrow, (evidently not the selfsame bird as 17th) who sang wonderfully in early morning in orchard near barn, & two Flickers, who shouted furiously most of forenoon. Saw a pair of Purple Finches in orchard & heard a Yellow Tailed Vireo chirping there.

The Robins are again breeding in our wood shed beginning, as they did last year, the female attempt to make dry grass remove on a wind-swept steep ladder. The ♂ looks like our 1915 one but the ♀ is very dull & light colored & evidently not the same.

Spent forenoon with Burdette & looking in marshy fields just across, & gathering apple trees. Made letters & read in afternoon. Collected mudpots to Cambridge & will bring in some more.

Concord (Farm)

Ther Sunday, April 23, 1916 Wea
Fox barking at 6 P.M. Stormy

Dark cloudy with strong, keen N.E. wind and cold rain, very heavy at times. Brooks swollen, swamps flooded & pools of water standing in many cultivated & grass fields. Thus far we have had an exceptional wet as well as cool spring. The vegetation is advancing. Our gooseberry bushes are now in half leaf & lilac buds are bursting open.

Hardly any birds in sight or hearing. The only species singing were Robins, Thrushes, Meadowlarks & Red-wings. Upwards of a dozen juncos in the orchard. A Barn Swallow flying over it. Started 2 Partridge in Berry Pasture one in Birch Field.

Spent most of day in home writing letters but Jimmy & I had a rather long walk in forenoon & another in afternoon. Heard a Fox bark twice at 6 P.M., near at hand in Birch Field.

Concord (Farm)

Ther Monday, April 24, 1916 Wea
Robin building on steep ladder Stormy

Dark cloudy with incessant fine, misty rain driving before strong & intensely chilly north-east wind.

Few birds seen and fewer still heard. Robins sang a little at dawn, Vesper Sparrows & juncos later in morning. A Partridge drowning in the run just after dawn. A Pheasant crossed twice at evening. No sound whatever from Wood Frogs or Hylas. Altogether a very dreary day with little of interest to be noted in fields or woods. I spent it mostly in the house rearranging pictures & other things & writing letters. Burbank completed a new window for our dining room facing south. It has a single big pane of clear plate glass.

The Robin worked at intervals at the further task of bringing dry grass into the shed & distributing it about evenly on four steps of the steep ladder thence. He finally put up a shelf for her & hung up the steep ladder.

Concord (Farm)

Ther Tuesday, April 25, 1916 Wea
Fair

Clear & warm with light easterly wind. Clouds gathering at sunset.

Birds singing freely all day but not many about. Near farm house 6 Robins, 2 Chippies, 2 Song Sparrows, 5 or 6 Juncos, Bluebird, Phoebe (Sibert), 2 vesper Sparrows, Meadow Lark, 6 Tree Swallows. 2 Partridges drumming almost constantly in ever, one near road, the other at the old station above Pulpit Rock. Also in the ever, at 4 P.M., I started a Broad winged Hawk from a Tall Chestnut where it flew to a stick when I waved it with. It was a very small ♂, looking, indeed, smaller bigger than a Sharp-shin yet measured exactly a Broad wing.

A single Red Crossbill in from woods.

Spent day out of doors, mostly near house supervising men. Hares & two Squirrels laying down, Bluebird & Lark nesting near fruit barn, George rolling, Newton & two men laying up wood.

Concord (Farm)

Ther Wednesday, April 26, 1916 Wea
"No Dine" at Farm. Stormy

Light cloudy with chill east wind. Raining steadily through A.M., lightly & intermittently in P.M.

Not many birds. 10 Juncos feeding on lawn front of house, Ruby-crown Kinglet singing near Pulpit Rock. Carolina Dove cooing (at 5 P.M.) on Davis Hill, another, later, flying through ever towards Barnier. Snipe drumming at 7 P.M. twice over Lawrence's field across road, a third time further off & towards river. Heard him distinctly from one farm house.

Spent most of forenoon in house rearranging things & preparing for the No Dine meeting here to night. Jeffries, Rand, Jackson & Walter Deane arrived at 3.35. Took them for a walk to Prescott pines, Beech Island etc. Returning to Brook Pasture W. was joined by Hexter, Townsend & Stephens. No dead at 7 on the last of the farm raised brooding fowls. My guests departed all together at 10 P.M.

Concord (Farm)

Ther

Thursday, April 27, 1916

Wea

Fair

Thin cloudy with occasional brief
gleams of pale sunlight. Cool, bright
N. E. wind.

7 Tree Swallows about byes and 50+
juvies in orchard, the former twittering,
the latter trilling, sweetly & cheerfully.
Purple Finch in full song near barn &
Rusty Crow in Cedar Park, both with
notes of ready fire & perfect quality.
Song of Meadow Lark, before & song
Sparrows coming from somewhat farther
off, as did also the voice of a Field Sparrow.
Robins sang only at evening & then
but little. They seem much less numerous
than they were a week or more ago.
I see only one pair near the barn.

The Phoebe on Hill frequenting our
barn cellar but the ♂ sings not at all.
Heard 2 Night Herons, evidently on wing
& not far from Poplar Park, at 7.30 P.M.

Spent forenoon with Barbours & George
Sethup out Zephany & Blankley places.
Superior dog food later to large paper
bushes from Hartford, in P.M.

Concord (Farm)
mini? / ~~break~~ Dead Muskrat in brook
Ther Friday, April 28, 1916 Wea
Heavy snow - storm Stormy

Snowing quite steadily & for most part
very heavily from sometime last night to
4 P.M. to day. The big, wet flakes, coming
thick & fast, cling to every twig, branch
& tree trunk loading the evergreen
foliage & bending the young birches in
bowed incline earthward. Never have
I seen the woods more wonderfully
beautiful than they were at 8 a.m.
when Jimmy & I went to Birch Field
& Prospect farms. The depth of the snow on
the ground was then 4 inches. It had
increased to 6" by 3 P.M. & thence to
2" by nightfall when Jimmy & I
had another walk - through Barry Pasture
where I found a freshly dead Muskrat
in the brook. It bore no obvious mark of
injury but near it was fresh tracks of
either a Mink or a large Weasel, the former
I thought. The storm carried on peacefully
all this day. During afternoon I saw
or heard only 2 Robins, one Song Sparrow,
one Junco, 2 Crows, a Partridge & Phoebe.
The Song Sparrows were & heard by a Meadow
Lark (Cody) who then only bird voices
were that of the housewife who kindly
forgets them. Her Harry.
Spent most of day in house writing
letters & chasing for bills.

First Garden Woods, Concord (Farm)
Blood east in bloom.
Ther Saturday, April 29, 1916 Wea
Transformation scene, winter spring, Perfect.

Cloudless, windless, very warm.

Wintry landscape in early morn. Snow
covering everything to depth of 4". Fields
partly bare by noon, totally so by night
with the greenest of grass & many early
flowers about our house. Much snow
still left in our green woods.

I was awakened at sunrise by a
pair of Tree Swallows calling musically
at a big tree near my window. They were
about all day but no others appeared.
It was interesting to see them & Butterflies
flitting over the snow covered fields.
A Purple Finch, before Sparrows, Chipping,
Meadow Lark & Song Sparrow, singing
freely in forenoon. But Phoebe sang a
little. Blackbird heard calling only.
A ♂ Brand wing passed their house
near in orchard, once pursued by a Crow,
once calling like a crow, its flight very
beautiful to behold being able to zigzag,
effortless & graceful as it alternately
flapped slowly & flustered on its wings.
Out of doors about 7 A.M. all the
New England Sparrows in A.M. 2nd Bell.
Barnyard & I gathered off to town.
A few Garden Hawks, busy at coming within

Concord (Farm)
Ther Sunday, April 30, 1916 Wea
Robin fluttering against window. Perfect.

A heavenly day, comfortably warm, with
cloudless, tender blue sky & light easterly wind.

First notes: Yellow-rump ♂ & ♀; Redstart
& Robin, Chipping, ♂ & ♀; Sparrows Hawk.
With Yellow-rump near Ruby Crown Kinglet
& Yellow Palm Warbler, both in first song.
Saw 3 other Yellow-rumps widely scattered
each alone. Field Sparrows, with first, clear,
ringing song, in brooks front of house.
Sparrows Hawk flying high & swift S.E.
Saw a new Greater Yellow-bird calling at
3 P.M., apparently at Harris's meadow (fenced)
From 12.30 to 1 P.M. & again later
in afternoon, a ♀ Robin, evidently the bird
that has been attempting to nest in our shed,
came to the back windows of town room
of house & fluttered against them until
almost exhausted when she would retire to
the nearby apple tree & perch for a minute or
two pointing, with half opened bill, before
flying again to the windows. She never once hit
it very hard on her nose as it was more
a few seconds. John drove away the sparrow.
repeated. In Sept. 1913, a young Redstart bird
did nearly the same thing at some two
windows. (old fashioned ones with square pane)

Concord (Farm)

Ther

Monday, May 1, 1916

Wear
Fair

Sunny, but hazy. Light southerly wind. Warmest day of season thus far. Black-bird in full bloom. Squirrels at last. Loads of birds numerous & noisy.

First noted: Bobolink at 4 P.M. flying over south very high in air with bursts of prolonged ecstatic song, thrilling me with joy & gratitude as I stand looking. About the same time 2 Black Ducks flew over eastward so high that they looked no bigger than Sparrows.

Of other birds than those noted daily of late in Robins, Chipping, Purple Finch, House Sparrow, Field Sparrow, Phoebe, Pigeon, Yellow-rump & Yellow Red Tail Woodpecker, Flicker, Meadow Lark. All these song fairly soon Robins & Phoebe birds of which I heard quite a lot. I saw 3 ♀ Robins engaged in one of their characteristic noisy but purposeless squabbles. The ♀ again flattered an male black crow (in early morning) but could not be close the birds.

Spent entire day setting out traps, mostly Corn-bush & box-cloves, from Hartford.

Concord (Farm) Just caterpillars out

Ther

Tuesday, May 2, 1916

Wear
Fair

Rush of increasing migrants

Clear & very warm with light S.W. wind.

Very many birds arrived from the South. First noted: Brown Thrasher ♂ (near hen house), House Wren ♂, Black-burnian ♂ (near hen house), Black-thr. Green ♂ (Puffin R.), Prairie ♂ (full song heard, once near at hand, Cedar Lake. Did not see bird), Purple Martin ♂, Bank Swallow (Chatter head), Yellow-thr. Vireo ♂ (near house). All these several represented by only one or two individuals each. But of Yellow-rumped Woodpeckers there were at least 50 in our scattered flock. Composed mostly, if not wholly of males. They drifted back & forth all the forenoon in the apple orchard & the oaks & hickories behind our barn. With them were 2 or 3 Yellow Robins. I failed to find either species elsewhere about the place.

Of earlier arriving birds there seemed no increase save of the Swallows, 6 in number. One Phoebe seen very suddenly about the same cellar. The nest there had 3 eggs to-day. Early this morning the ♀ Robins was flitting as persistently as ever, but at another hour back over the top of our back wing. When we hear a carter on the outside the clock she is heard holding position on the back of the shed until we drive it off again. Spent most of day near house setting out plants. Walked to third field with two or three cattle.

Concord (Farm)

Ther Wednesday, May 3, 1916 Wea Fair

Forenoon sunny but hazy; afternoon cloudy with distant thunders. Light cool N. to S. W. wind.

Toads trilling & blyles peeping ceaselessly after dark. A few twigs in blossom. Gooseberries in full, huckleberries in partial leaf.

First noted: Nashville Warbler 1 (in trees near big elm), Solitary Vireo 1 (in Cedar Peak), Least Flycatcher 1 (calling in orchard).

About a dozen Yellowthroats, at least one Yellow Palm Warbler, a B. & W. Creeper, a Purple Finch, 3 Goldfinches (one at 5 in nearly full nuptial pl.) one or two Chipping & at least a House Sparrow, in apple & other trees near house. 6 Swallows about boxes. Kingfisher perched at pond, calling long & loud. Robin building in pines. Robins & Phoebe becoming silent.

Working all day with Burbank & Gray. We transplanted Spruce & Banks pines in A.M., & set out 3 or 4 blueberry plants in P.M.

Concord (Farm)

Ther Thursday, May 4, 1916 Wea Evening

Early morning cloudy & misty. After that clouds clear, light N. W. wind, warm sunshine, heavy thunders showers last night.

First noted: Downy Woodpecker (in trees), Red-tailed Hawk

heard at our farm house, in direction Bigelow Brook. Just before breakfast (7 a.m.) I saw through front window (plate glass) a bird flying from Cedar Peak across open field to our big elm in the top of which it alighted. The first glimpse I took it to be a House Wren or Goldfinch, but as soon as it reached some with one of those glances that I saw a Downy Woodpecker. The next moment Gilbert & I rushed out to hear it calling loudly & incessantly, using the House Sparrow note, sometimes closely followed by a rolling or chuckling whistle. Soon after this it flew across the road to a cold apple tree near our well house, perching there only about 10 ft. above the ground. When we approached it, closely (within 20 yds) it moved in on several moments less good luck. It showed an unusual amount of yellow (especially on the back) & this of an exceptionally pale cast. There was also much conspicuous white. Its next flight was up the trunk to an oak near our well house. There it soon took a much longer one to a tall chestnut near Bigelow Brook where I could see it only as a tiny dot, though very plain. We heard it in a few minutes, about 10 minutes. It called incessantly all the while as if seeking a response from others of its kind but none answered. Always the calls were only the House Sparrow note & the rolling whistle. Then & forthwith, when perched in sat back upright & never once moved back to fly again.

Moved to Concord at 9 A.M. Called at Town Hall where Mr. Roberts showed me a beautiful lot of planting. Thence to Sleep Hollow where I supervised the planting of 700 more or less maple & birch in shady part of the 11. Working at planting in P.M. Burbank & I through garden & field. Burbank, having got at our & called it a little before, having got at our & called it a little before, having got at our & called it a little before.

Concord (Farm)

Ther

Friday, May 5, 1916

Wea
Fair

Forenoon cloudy, afternoon sunny but hazy. Cool, with light easterly wind. Many tulips in bloom. Yellow juncos at East. Squirrels feeding. Crows come by. Garden Toads still trilling freely. Blue Butterflies out. Only a very few Tent Caterpillar nests.

First noted: Cat-birds, singing at dog house. 3 birds in front of house all day, 2 singing, 1 sitting on a vine in back yard, the third collecting worms & carrying them about in the yard. Yellow Warbler ♂, with another that looked like a ♀. Maryland Yellowthroat ♂ in Berry Pasture.

3 Dendroica striata ♂. No obvious marks of other recent arrivals. Belated Junco (♀) in orchard.

Spruce day near house working with the men. Set out food. Transplanting plants, geraniums etc. Harris finished all his work to-day. Monson & 2 men still in it.

Concord (Farm)

Migratory Birds seen in that left.

Ther

Saturday, May 6, 1916

Wea

Rush of May migrants. Rainy heavily at dog house & up to 10 a. m. Sun out by noon. Afternoon hot, sultry, windless.

First noted: Chestnut-sided W. ♂ near Barn;

Towhee ♂ ♀ near of barn; Bat. Oriole ♂ in elms

Noted at El. by Dexter on 3rd King bird, 2 near house;

Crested Flycatcher (x), 7 am orchard.

Increased numbers of Cowbirds, B. & W. Orioles,

Bl. thr. Green Warblers, Nashville Warblers.

First Bats in that left - 3 in number.

Spent most of day transplanting things mostly biennial perennials. Berenice sitting out lettuce & tomato plants. None of the other men come to work to-day.

Jessie & I had a good long walk in woods & fields just after breakfast & another at evening. There are almost no Brown Creeper nests this year & still few Tent Caterpillars. Of the latter I have thus far found one above a dozen in all.

The ♀ Robin was beating against the fence window 6-7 a.m. We hung up a white sheet inside the closed door & she did not return. 3 Cat-birds front of house all day, two of them making singing loudly. The third was carrying wood shavings into back & placing them under it for foundation of nest.

Many birds singing freely all day long. I enjoyed them delightfully.

Concord (Farm)

First Plum & Cherry blossoms:

Ther. Sunday, May 7, 1916

Pigeon Hawk & Sharp-shin.

Wea Fair

Partly sunny; mostly cloudy. Distinct thunder & sprinkle of rain at sunset. Strong, cool west wind blowing all day. Plum trees in nearly full bloom, Cherry trees showing a few blossoms. Both uncommonly beautiful.

First noted: House Wren singing at sunset & later some of hour. Entering house song.

Delightful bird music through forenoon.

♀ Robin beating steadily for hours V.I. at 3 P.M. against back hall wind from which was removed cloth this morning.

Standing in cultivated field front of house at 4 a.m. I saw two small Hawks coming, one following the other about 50 ft. up. They came straight to within 60 yds. & then began circling & soaring & swooping downward to ground upward again. One was a ♂ Sharp-shin, the other a ♀ Pigeon Hawk. Watching them closely I saw that the Falcon was always the aggressor in the lunging attacks while however, were obviously purely defensive & evidently not at all disturbing to the Sharp-shin who took them calmly enough merely dodging when too closely pressed. The ♂ kept about but as very swift the Pigeon Hawk, uttered Cree, Cree, Cree notes shrill & squeaking, somewhat like a Duck Hawk's but, more disconnected & more near than 3 or 4 in number. The Falcon's flight was swift & suggestive of a kestrel, the description being one & near. Keenly. Yet at times they moved & circled very nearly alike. They finally rose high & went off together. I went to bed & did not see them & etc. He started a Rabbit then. I went to bed at 12.30.

Concord (Farm)

10 Ther

Monday, May 8, 1916

Wea Perfect

Brilliantly clear & agreeably warm; light variable winds, mostly easterly. Raining at 8 P.M.

Juncos in full bloom. Mertenia beginning. Blood root past. Viola sagittata at its best.

A few House Wrens. Bluebirds, paper birches & apple trees green with tiny leaves.

Hylas & Garden Larks still in full cry.

First yellow Butterfly.

First noted: Wood Thrush ♂ singing in run near foot of lane 5-6 a.m. when I listened to it as I lay in bed with my windows open, pleasantly as happened at the same house, but one day later in the month, last year. I wonder if this was the selfsame bird and if now, or then, it will not be heard a second time. It was a rather infrequent singer.

Despite the perfect May weather there was comparatively little bird music even at early morn. Few north-bound migrants passing. Only doves over a ♂ Yellow-rump.

Spent forenoon working in farm garden, afternoon at Barrett Spring where George & I searched about down & test out barrels.

Concord Farm,

Shad bush in bloom

Ther

Tuesday, May 9, 1916

Wea

First Dandelion blossom Time
Whiff of warm

Brilliantly clear with raging & chill N. W. wind. Only in sunny places well sheltered from it was the air comfortably warm even at noonday. In such places a few Shad Bushes came into nearly full bloom. & here & there a stray Dandelion blossom appeared among the grass - a welcome sight.

Whiff of wind singing to N.W. at 9.30 P.M.

Comparatively few birds to be seen or heard anywhere about the farm. Most of them were apparently silenced & also driven into sheltering covers by the strong, harsh wind. I noted none new to my spring list ^{except a} and failed to observe anything of special interest in the bottom all of those seen.

Early this morning the ♀ Robin was again beating against pantry windows. Jimmy & I took our usual walk at noon & on. As my no head lamp he started a ♂ Woodcock in open ground under scattered ferns just over the corner from S. E. corner of our cow pasture. Spent most of day hunting fruit trees. We shall have peaches, apples etc.

Concord Farm & Ball's Hill!

Ther

Wednesday, May 10, 1916

Wea

Fair

Early morning clear. Afterwards cloudy with strong, cold westerly wind. Grass fields white with hoar frost at sunrise. Graying and pink in bloom. Indigo birds - handsome to first noted. Birds for most part silent & comparatively few to be seen. A Partridge downing near head of Run & a British Pheasant somewhere on southern edge of Great Meadows (still flushed). Yellow rumps still lingering in small numbers.

♂ Indigo bird in *Trasychia* bushes first of season

Spent forenoon at Farm pruning fruit trees, tying up vines etc. In P.M. went to Ball's Hill with George to dig some seedling hemlocks. We found plenty of them 6" to 15" tall under the large trees on north slope of hill. Started a hen Partridge. There no small birds seen or heard. The woods seemed quite lifeless & the catbirds & thrushes surrounding looked, as they ~~are~~ doated & neglected. Back to Farm by 4. After that walked through Barry Pasture with Jimmy.

Concord (Farm & Sleepy Hollow)

Ther

Thursday, May 11, 1916

Wea
Fine

Cloudless with westerly wind blowing half a gale. Very warm. Vegetation advancing fast. Shad bush in nearly full bloom. Ficus thickly spangled with golden Dandelions. Apple trees pink with fruit buds & a few of them opening. Cherry & plum trees in fullest bloom. Grass tall in places & lawn mowers already busy.

First noted: Redstart ♂, Sleepy Hollow.

Increased numbers of Chestnut-sided Warblers & Down-birds. Most birds singing freely all day long. Indigo bird in full song.

To Concord at 9 a.m., meeting, by app't, Mrs. Melvin there. She brought with her two Maine Potatoes. 50 hundreds which I had ordered from Shady Hill had arrived & we left William planting them, nothing to do to Farm where I took the ladies to Birch Point Spring P.M. planting & watering flowers. Mrs. & Mrs. E. W. Emerson called at 5 P.M. staying half an hour. Very fine day all last night & rather gloomy to-day.

Concord (Farm)

Ther

Friday, May 12, 1916

Wea
Fine

Clear and cool with fresh N.W. wind. It blew almost a full gale thro' last night. Vegetation at a stand-still again.

First noted: Magnolia Warbler heard giving the Trich-like call note in Cedar Park. Warbling Vireo ♂ singing & uttering the nasal scolding note, in thicket overlooking road near our house.

No obvious increase in local Summer birds. They sang a little but not freely except in early morning.

Tree Swallows copulating on or near their nest boxes at least three & I think four are now occupied. The ♂ of a pair in a box near my chamber window uttered the odd clag break song three very nervous as soon as it is light.

I see only one pair of Goldfinches about the place and no more than a single Oriole.

Spent entire day out of doors. Worked in flower garden in A.M. and planted hard-boiled day yesterday & Iris received from Jackson in P.M.

Concord (Farm)

Warbler day. Moderate light N. wind & fine

Ther Saturday, May 13, 1916 Wea
Orange. Crown Warbler. White-cb. Sparrow. Perfect

Clear, rather cool, light westerly breeze.
Shad bush & cherry trees in fullest bloom.
Only a few apple blossoms as yet.

First noted: Veery, calling in ths at once.
Orange-Crown Warbler, tame silent, some for
occasion of chirping, dull-colored bird,
apparently ♀, in grape vines & also in
hedge, near front yard, 6.30 a.m.
Black-throated Blue Warbler & Red-eyed
Vireo & near Pulpit Rock; White-crowned
Sparrow, 2 adult first seen at 7 a.m., on
ground in front of house; followed to
Lans. where our dog many times - a
sunt, plaintive song, then I mistook this
the bird would often answer at once.
2 Cedar Birds in blossoming apple tree.
Small flock of Mockers near Pulpit Rock
included a Magpie, Wren, Nuthatch,
Oven Bird etc.

Many birds singing freely all day.
near house - Orioles, Grackles, Purple Finch
etc. & House Wren flying over orchard.

Jimmy & I had a short walk before
breakfast & a longer one after it.
I spent most of day walking among
the flower beds.

Concord (Farm & Emerson place)

Ther Sunday, May 14, 1916 Wea
Fine

Clear & cool with light northerly winds.
Clouds gathering at sunset.

No fresh arrivals noted. Mixed flock
of north-bound migrant Warblers, a dozen
or more in numbers, in or near run not far
from Pulpit Rock; adding them 2 Wrens,
2 Black-throated Blue, one Magpie, one
Black-burnian, several Nuthatches.

A White-crowned Sparrow haunting lane
& singing very now & then all day. His
song reminded me in quality of that of
the Meadow Lark. It was very sweet &
plaintive with little or no resemblance to
that of Peabody Bird.

Jimmy & I started for a long walk just
after breakfast but had gone no farther
than Pulpit Rock when two Mockers on the
high hill recalled me to the house where I
found Fay & Mr. & Mrs. Blin. They stayed
upwards of an hour. At 1.15 P.M. I
retired to Concord to dine with the
Emersons (Mr. & Mrs. & Ellen). Returned at 3.30
Harry & Edna Baileys arrived at 4 & stayed
until 6.

Concord (Farm)

Ther

Monday, May 15, 1916

Wea

Scrub Owl in barn

Dull.

Cloudy with light cool easterly wind & more or less fine, misty rain. It rained more heavily last night.

First noted: Eow Swallows, 1 flying high & uttering cork-in-bottle notes. Scrub Owl, gray bird perched in heart-shaped aperture cut under gable end of our old barn, looking out through almost closed eyes. Thus in sat late upright for several minutes at 9 a.m., a Robin clanging at it fr. nearby elm. Shortly after this it had disappeared.

Birds singing fairly all day. White-crowned Sparrows treating me to many a sweet plantation serenade in lawn & berry thin thicket. Herons flapping their plum & Eider Park with its glorious music. Grosbeak singing softly near house. Redwing in downy fields. 2 House Sparrows, House Finch several. Wren & Nashville Warblers in blossoming apple trees. Belted Kingfisher coming at evening from downtown Nash, Island.

Then long warbles in farm woods & fields with Titmice. The flushed Phoebe & Partridge & crested bird (Carpenter) note of which latter many have appeared of late in the farm places.

Concord (Farm)

Ther

Tuesday, May 16, 1916

Wea

Stormy

Dark cloudy with chill N.E. wind and incessant fine, mist-like rain loading every leaf & grass blade with shining drops of moisture. Vegetation at a stand-still & curiously retarded as well as advanced. Thus all cherry trees, many peach trees & a few plum trees are still in full bloom together with some apple trees - a very unusual condition. Small bloom passing. Tulips still holding well.

First noted: Wilson's Black-cap ♂ in Berry Pasture; Heron bird seen in front of our house & Black-bell Wren ♂ heard in Fairy Land, by Dexter.

House Wren - Crown Sparrows spent day in berry thin thicket, front of house, singing fairly only in early morn. Few other birds sang much & not many were to be seen.

The Scrub Owl again looking out of heart-shaped hole of barn at 10 a.m. & not visible ten minutes later. No card or sign of him inside.

Spent much of day in house, writing.

Created two catapillars also, & had 3 small water Turtles. Dexter came to drive & would not see in woods later.

Concord (Farm)

Ther Wednesday, May 17, 1916 Wea
Apple orchards in nearly full bloom. Stormy

Raining seasonably & very heavily all last night & through forenoon to-day flooding swamps & overflowing brooks more than has any previous storm this spring.

The brook at Bassett Spring a rushing torrent with many beautiful little cascades when I visited it at 4 P.M. The skies had then cleared & the sun was shining brightly with fresh, cool N.W. wind blowing. Wind N.E. through forenoon.

Not much bird music until late P.M. when Robins, Thrushes, Grackles & others sang freely & well. Nothing new noted. House-Crow apparently gone. Could be here migrated. N. dum. Stormy last night? Screech Owl looking out barn at 10 & again at 11 A.M. Robins pretesting his presence with loud clatters.

Spent forenoon in shed repairing tool chest. Out with Jimmy in woods to captured 4-6 P.M. He started

Robins, I observed Caterpillar Trees. Many of them broken with by sawing & full of mangled larvae. I observed the larvae were dead or dying, apparently of the white disease.

Concord (Farm)

Ther Thursday, May 18, 1916 Wea
Robin music birds flourish Fine

Clear & cool with high N.W. wind. Cherry trees & many apple trees in full bloom. Plum trees & small bush past.

First noted: Scarlet Tanager ♂, Birch Field

Comparatively few birds seen. Not much music from them until wind lulled in late P.M. when Orioles, Grackles, Robins & Thrushes of several kinds sang freely. One of the Robins (near our house) regularly interpolated among its notes & several notes a perfect imitation of the second notes (two-syllabled) of the song of birds flourish. This was rendered so accurately that for a time I was sure there was a Vireo in the same tree. The ♀ Robin was again beating against passing wind (T.A.M.) the flight of N. band migrants. Noted only one, a D. maculosa. Only one Tree Swallow seen about the box.

Spent most of day repairing lawn mower & mending flower beds. Jimmy & I went to Birch Field at 3 P.M. & through Berry Pasture at 6 P.M.

Concord (Farm)

Ther

Friday, May 19, 1916

Wea
Perfect

Brilliantly clear with light, cool, W wind
least night very cool - almost frosty.

No new arrivals, a few north-bound
migrants in Cedar Park & here, among
them a *D. caeruleus*, *D. maculosa* & *Pomela*,
all in full song. Rose-br. Grosbeak,
Oriskany & Bobolink singing freely & more
frequently, very near house, the Bobolink
in one big elm.

Apple orchards in fullest bloom but
no petals falling as yet. Almost all the
trees, are blossoming, even those that have
heavily lost year & do not often bear at
all - the next year after.

Several G. King north note heard with
nearly hoarsest sound. Many oaks &
beeches bordering our farming lands
rather badly infested.

Monsoon & 2 near, Zeph & Gray working
on getting new coat with crossing of
lawn. I was with them most of day.
Gibbet took them to Birch field. The little
dog looked a little grumpy Woodcock than

Concord (Farm)

Smaller Wood in Farm lane

Ther

Saturday, May 20, 1916

Warbler day.

Wea
Perfect

Clear, warm, almost cloudless.

Apple trees still in perfect bloom. Many fresh buds still.
Some cherry trees still white with blossoms.

Purple Larch's delight at very first. White lilies out.

First noted: Tennessee Warbler ♂ & ♀ one each near
big elm. Seemingly female calling near Purple Bell.
General arrival of north-bound Warblers, of various
species, in moderate numbers - a decidedly yet
not excessive, in - fresh. They were heard
along the run from Cedar Park to Spring. Here I
noted 3 *D. maculosa* ♂ & ♀, 1 *D. caeruleus* ♂ & ♀,
2 *D. blackburnianus* ♂ & ♀ & 1 ♀, 1 House W. ♂ & ♀,
several *H. rubricapilla* ♂ & ♀, 6 or 8 Ovenbirds,
4 Redstarts. One Nashville only. None in orchard.
Characteristics in Farm birds as usual.

At head of lane saw a Wood of the smaller
kind in stone wall where it looked out on me
fearfully & curiously. Scam 10 ft away cawing &
looking at long slender neck - a disproportionately
graceful & beautiful creature in rich golden-brown
plage, with very long & gentle turning eyes &
black tipped tail. At length it left the wall &
crossed open ground to live with long graceful
bonds & only flight.

More many birds here 8.15-10 A.M. I expect &
blowhard family 10-11.30; J. King, Norton &
her & Mrs. Robinson, 3-4.30 P.M. With all these
I think really being out in the woods with
them work by the woods in front of day

Concord Farm/
R. H. Dana writes me.
Ther Sunday, May 21, 1916 Wea
Weasel again seen. Perfect

Brilliantly clear with light westerly wind.
Cool at noon & eve. Reasonable day.
Apple blossoms still holding well.

First noted: Canadian Warbler ♂ & ♀ in sun.
Bright flight of other north-bound
humblers including 2 D. maculosa ♂ & ♀,
D. caerulescens ♀, D. coronata 1 ♂ 3 ♀♀,
Parula 2 ♂ & ♀, Lincoln Warbler ♂ & ♀ in
Pulpit R. woods 10 a. m., another (or
possibly the self same) in the same place
at 11 a. m. Belated Peewee heard
chirping in orchard. Local birds singing
freely. Several birds not to be found in
barn this day but looking out both at 6
a. m. and at 7 P. m.

Weasel seen again, this time about noon,
moving along wall from big elm towards
Rabbit hole.

Irving & I out from 9 - 11 a. m. going
to Bird Field & Bay Pasture. Many others
after worms. Dick Dana arrived at 4 P. m.
to spend night. We started about 7 a. m.
& went to Bird Field before daylight
stopping every now & then looking

Concord Farm/
Ther Monday, May 22, 1916 Wea
Fine

Clear & warm with S. W. wind increasing thru
day & accompanied by gathering clouds in late P. m.
Apple blossoms falling, their petals falling freely.
Rhodora, dandelions, violets, meadows in
fullest bloom. Toads trilling still. Hylas
cupsing into silence. The latter are numerous
than usual, this spring.

No fresh arrivals noted and not many
north-bound migrants. Increase Warbler
singing in the same place, Lincoln Warbler
in sun. Thrasher (in Cedar Park), Grosbeak,
Tanager, Bobolink & Pine Siskin in fresh
song. Pair of Barn Swallows entering Barnyard
barn, with thoughts of again nesting there I
hope. Several birds in heart-shaped hole of
Barnyard wall (E. end) looking out, in bright
sunlight, 8 a. m.

Dick Dana & I spent two hours after
breakfast starting thru farm woods. Air
consistently flooded with bird noise, mostly
of local species. It was unexpected for a
week's end as usual. We left at 10.30
to return to Cambridge. I spent remainder
of day working among my flowers.

Concord (Farm)

Ther

Tuesday, May 23, 1916

Wea

Mead again

Rainy

At noon saw this Mead dash across lawn for a bird bath

Dark cloudy with fresh S. W. wind
and almost ceaseless fine rain which
began falling sometimes last night.

No north-bound migrants noted
but two apparently new arrivals at
the farm, a Yellow-throated Vireo singing
near the house & a Red Start in the
near back of barn. Thrasher in full
song all day in Cedar Park & Orchard
in Birch Field. Robins in full
chorus in late P. M. Screech Owl
looking out E. end of barn 8 a. m.
At least 3, & I think 4, pairs of
Tree Swallows nesting in my box; but only one pair of Wrens & one of
Bluebirds. Of Cat birds we have now
at least five pairs, one behind house,
one near front yard, one at S. end of
Cane pasture, one in Berry Pasture, one at
Pleasure place.

Spent most of day transplanting things.
Walked to Birch Field & Pleasure place with
"Jimmy" at 8 a. m. & 4 P. M.
Late mason did not appear.

Concord (Farm)

11

Ther

Wednesday, May 24, 1916

Wea

North-bound migration ended?

Fine

Clear, calm, warm. Slight easterly
wind with gathering clouds, in late P. M.
Many apple trees still glorious to behold,
others shedding their petals fast.
Cherry & peach trees wholly out of bloom.
A few hylas peeping & larks trilling.

No fresh arrivals. Only obvious north
bound migrant an House Wren singing
in room. Several birds of almost every
kind in full & glorious song all day
long, flocking the stick and with
increasing, delightful music. Among
them all a Thrasher, a Tanager, a
Yellow-throated Vireo & 2 Grosbeaks
were most vociferous & persistent.

A Very song a little, haltingly, at
evening in our Berry Pasture. The
Screech Owl was looking out at E. end
of barn at 8 a. m. & later perched on
eaves inside.

Spent most of day working in flower beds
with George. Walked to Birch Field with
Jimmy just after breakfast. In mid P. M.
he killed, unaided & very quickly, a large
nesting of Woodchuck, in oak row near Orchard.

Bowcord (Tanager & Ball's Hill)
Mosquitoes out in force.

Ther Thursday, May 25, 1916 Wea
More north bound migrants. Perfect.
Washed with Field Mouse.

Brilliantly clear with fresh W. wind.
Apple blossoms showering down, whitening
ground beneath trees. Scarcely any of these
remain in full bloom. Mosquitoes began
to trouble yesterday & were bad to-day.

First noted: Wood Pewee 1 @ in tree over
road near house. Night heron 1 perching in
(or over) Harris' pasture at 5 P.M.

A Tennessee & a Black-poll Warbler
singing in apple orchard 8 a.m. Tennessee
had throat song unlike that of our here before.
His other north bound migrants noted.
Glorious bursts of music from many
local birds at noon & eve & more or less
through day. Scarcely any looking out & out
of barn into blowing sunlight over afternoon
out of house and often house.

Spent most of day out of doors near
barn planting flower seeds etc. Short
walk with Jimmy after breakfast. Drove
over to Holbrook & Ball's Hill 3-5:30 P.M.
Coburn's field mouse. Red eye & Barn Owl singing
loudly. Mockers still under apple. 2
chickadees, 1 Red wing.

Corcoran (Tanager). Scarcely any flying to nest
"Jimmy" returned to Corcoran's. in bright sunlight.
Ther Friday, May 26, 1916 Wea
Belated rush of north bound migrants. Perfect.
Tennessee Bay Breasted Warbler, Abert's Flycatcher.

Clear & cool with fresh wind to N.W. wind.

First. Vireos (garden) & button caps

First noted: Alder Flycatcher, Cackling Lark in
Berry Pas. 3 P.M. Small 8:30 bird across road. 6-8 a.m.

Rather heavy flight, N. bound migrants, of species
noted before this. At least 4, & I think as many as 6,
Tennessee Warblers in full song. Heard 2 before
leaving my back 2 from 2 to 4 miles in sun later in
morning. D after reports 2 flying near last house.
Many Bay Breasted also. Heard one close to house in
early morn. Another near head of river later, saw
4 (3 & 1) together in pine near Rabbit Rock, saw
two of them 2 & 3 song exactly like Redstart. One
of them two used also the normal song at
times. I saw two later after both.
Also in sun notes at least 4 D. Newboulds
2 Parula, 2 Canada in Hawthorn, 2 Towhee
Redstart, 2 or 3 Mockers, 4 or 5
many loud throat - Thrush.

At 9:30 a.m. Bluebird & I saw a Red
Scrub Owl fly past barn into apple grove
carrying in its bill a black-colored, hairless
franklin's egg in that black like a
young Robin. Passing us again in 20 ft. in
flying sunlight. The bird headed straight
for an abandoned Robin's hole in an oak
& entered it like a flash of light. I after walk
saw her head at the entrance. There must
be young in the den. The gray Owl could
not be found in the barn then but at
7 P.M. was looking out at hole in
western end.
Night heron flying high N.E. perching, 7 P.M.
Hills White-throated hanging at once, far
and near towards N.W., 8 P.M.

Spent most of day in barn & orchard.
Dexter & Alex Blackbird came at 11 a.m.
Had my last walk with Jimmy (to Bush 7:1)
just after breakfast. Gullies took from to
Corcoran's a little later.

about 11 a.m. saw a Red-winged Blackbird singing alone, and a small party of Field Mice in its vicinity.

Concord (Farm)

Ther Saturday, May 27, 1916 Wea
Springing after this began. Mixed

Morning cloudless, windless, divinely beautiful. Clouds overspread sky before noon & a fresh S. E. wind arose. Light rain falling at evening.

Lilacs in fullest bloom. Only a few apple blossoms left. Linnaea in bloom.

First noted: Black-bellied Cuckoo, Yellow-bellied do., one each, both heard in Heavy Pastures.

A liberal aftermath of yesterday's flight of winter-born migrants lingered through the day in orchard & shade trees close about our house, where I noted 2

Tennessee Warblers (♂♂) 2 House Wrenblers (♂♂) 2 ♀♀. Blackpoll, 1 ♂ Magnolia, 2 Chickadees & 2 Maryland Yellow-Throats. Unfortunately the woods could not be visited because I had to supervise the important task of Springing the orchard trees at which Dr. Dyer & his men worked until 3 P.M. & began all day. But I did go to the edge of the woods several times without hearing anything of interest there. A cable message from the Jeffersons: "Hamilton gave to the 7-foot Monday. 7-curve". Lophoceros to C.

Concord (Farm & Bigelow Road)

Ther Sunday, May 28, 1916 Wea
Blackbirds' nest raided by Weasel? / Dull.

Dull cloudy, misty, cool, with light S. wind. Many oaks in nearly full leaf. Deciduous trees generally well draped in fresh green foliage.

No fresh arrivals. North-bound migrants apparently all gone by.

Local birds abundant especially along old Bigelow Road which I traversed this forenoon from Whetstone Pond to mouth of Big "Bear" Oak. Stopped in thapple Horn pasture & collected a lot of galls for H. W. H. from Swamp Oak. At pond found at least 12 House Wrenblers flying in & out Bigelow barn. Heard but none in full song on N. E. slope Punkabutt Hill. Flashed a ♀ Chickadee W. from grass-meadow nest in fair of grassy bordering road in beauty scrub. 3 fresh looking eggs. 2 ♂♂ singing near.

2 Canada Warblers & further on at Big Bear Oak did another Hebert, fine singer. Home by 11. Lots of birds singing all day near house. After tea after this. Hearing Gess in late P. M. Found fresh, wet shells of 5 eggs of Bluebird down lying on ground under box front of house. Fair plenty. Nest all long with recent scratches of very fine, sharp claws. Saw that Weasel den of Cott. The bigger negroes could not hear. North Chickadees seen about bordering meadow. At 7 P.M. heard both Gess & a dove & a Chipping Sparrow, & singing then, but not heard.

Concord - Boston - Cambridge

Ther Monday, May 29, 1916 Wea
Canadian & Bill the. From W. in Fine
Cambridge

Early morning cloudy & foggy. Remainder of day clear, windless, warm.

Gilbert motored me to Concord where I took 8.01 a.m. train, he keeping on to Cambridge & then taking C. in to see Dr. Cheaney. Met George Hayes in smoking car & had good talk with him. On reaching Boston went first to Park-Pollards where I bought a Pigeonwood Rock rooster, a tree of coral Medlocks, a pair of white Gambusia Pigeons & a pair of white Hens. Then to one office where I saw Arthur Foxcroft. Then since last Dec. & worked with him at George's. Schubert came at 11.15 by appointment. Said things had gone badly for him at telephone but he could not get Hakey to say whether he should remain there or not. I promised to write Hakey & did so later dictating letter in above office. Called at Stancett & bought some fern records. Then to Cambridge by 4.45 train. Out at 11.00. Home by 6.40. Found G. & E. R. & D. at home. Dictated notes after dinner. Robins & Starling, Cuckoo & Cambridge. Robins singing in garden. D. Wilson singing & Kingbird calling in Hyacinth flower.

Cambridge

Ther Tuesday, May 30, 1916 Wea
Dull

Cloudy & cool with occasional light showers.

In Garden 4 Robins (1/2) 1 Red-eye, 1 Black Throated Green Warbler, Canada Wren, 1 Chiffy, 4 Crow Blackbirds, some House Sparrows.

Pink & white Hawthorn in full bloom, here chestnut a little past it, birches just coming to it.

Spent most of day in Museum working letters & cheques. In late P.M. called on Tom Spelmann & saw his flower garden - very attractive just now. They gave me plants of several kinds & returned with me to our garden where I gave them violets etc.

Miss Allyn came to supper. He had a Victoria concert given at 9.15. Saw his home at 9.30.

At 6 P.M. visited Tom Hoadfield's garden & saw flowers through them by back gate. Her flowers are very beautiful.

Robins & Starling, Cuckoo & Cambridge. Robins singing in garden. D. Wilson singing & Kingbird calling in Hyacinth flower.

Cambridge - Concord.

Ther Wednesday, May 31, 1916 Wea
Fine

Rain all last night. Early morn cloudy.
Remainder of day sunny with strong, cool N. wind.

In Garden: Canada's Warbler & Flicker*,
2 Crows & 1 Jay; 2 Red-eyed Vireos*

Gilbert & I left Cambridge at 8.50 a.m.
& travelled to Concord via Ipswich for
Trock Road, then by Hills Crossing to
Arlington, then through Lexington &
Bedford. Very few birds. Saw no Robins
anywhere save in Bedford village. A
Mourning Dove seen from the road near
Coolidge Bridge & flew over along it just
above of our car.

Reached Farm at 10. Found the men
spraying & joined them for remainder
of day. They worked with good success &
sprayed apple trees mostly. Duren came
with his new power engine at 3 P.M.
& worked on house spraying a lot
of bushes along the river. Local birds
singing well. No north-bound migrants.

Concord (Farm)

Heavily sprayed to day
Ther Thursday, June 1, 1916 Wea
Mass north-bound migrants Glorious.

Brilliantly clear & just comfortably cool
with fresh, dry N.W. to W. wind.

North-bound migrants Black-poll Warbler ♂ & ♀,
Bay-breast, ♂ & ♀, both in big oaks near barn.
In these oaks were also singing a Yellow-
throated Vireo, a Red. eye, a Redstart & a
Wood Pewee. Elsewhere about the farm
I heard the usual summer birds
including a Yellow Warbler, at least 3
Chickadee-like, 2 Song and Yellow-throats,
Indigo bird, Grosbeak etc. Failed to
note either Tanager or Oriole.

Duren brought two spraying outfits this
morning and we had from now on very
work them all day working mostly
among the big oaks & elms in & about
the cultivated lands but getting into
the Rose & Pothos Park woods in P.M.
Gypsy larvae swarming in spots but
not generally or widely distributed & still
very small. Have seen no Forest Tent
Caterpillars as yet. Out all day with men
& very tired to night.

Concord Farm /
Horned Lark - Black-poll Wren - Still here
Ther Friday, June 2, 1916 Wea
Barbours in bloom. Perfect.

Cloudless & almost windless save in
P.M. when a light S.E. to S.W. breeze blew
fitfully. Deliciously warm. Barbours
in full bloom, their golden blossoms
attracting myriads of dancing Bees.

North-bound migrants. 2 Black-poll
Wrens singing, one near home, the
other in Pulpit Rock woods. Horned Lark
in full song in ridge just south of the
Road at 10 A.M. & again at 7 P.M.

Several birds in goodly numbers & full
song all day. Of these I noted near
our house I miss only one, the Redstart,
since springing began. The Junco, too, is
apparently gone from the tall oaks
at foot of lane. The Crow & Jays
seem to have ceased their morning visits
through orchard trees near house.

Spent most of forenoon in Pulpit Rock
woods where Zeph was cutting small
deciduous trees, among the pines. Hunted
them again in P.M. with Barbours
& King Thrushes along paths.

Concord Farm /
Ther Saturday, June 3, 1916 Wea
Mixed.

Early morning sunny & calm. Remainder of
day cloudy with fresh S.W. wind that brought
heavy rain at evening.

Bees fast nearing maximum of bloom
and already making brilliant shows.
Lodges' Hoppers about as thin but and very
abundant in our woods. In one place, under
young pines they form a solid bed, growing
as thickly as leaves of the oak and thus
covering fully 200 square feet of ground.
Never before have I seen them thus massed.

No north-bound migrants noted. Local
birds not much in evidence save in
early morning when they sang well
as long as the sunshine lasted.

Took Zeph & the Maudsley men (3) into
woods south of here this morning & spent
day with them there digging out stones,
carrying them & carting to fill hollows &
otherwise smoothing the rougher places
along the road road leading from Pulpit
place to the Barrett Spring.

Concord (Farm) & Bellview.

Ther

Sunday, June 4, 1916

Wear
Superb.

It rained heavily through last night but the sun was out by 9 a.m. & the remainder of the day brilliantly clear with light, cool N. W. wind. Despite these conditions the birds did not sing freely as else there was comparatively few about our place - I am not sure which. I was out in or near the bordering woods just after breakfast & dinner & again in evening when I heard a Hermit & a *Polioptila* go off to the W. & a heavy rain over river. Robins singing far & near late into twilight.

Spent most of forenoon visiting letters. Miss May & Miss Hallie Eaton came to dinner. After it we strolled about the place & about to Pulpit Rock. They departed at 3.15. At 3.45 I started for Bellview to see Daddly Peterson's place. He showed me lots of interesting cypress birds, Phalaropes of several kinds, Mockers, Wood Ducks & a pair of *tyto*, *tristis* Black Duck that found his *nest* a year ago.

Concord (Farm)

Ther

Monday, June 5, 1916

Wear
Various

Forenoon partly sunny, mostly cloudy, with strong S. W. wind, which freshened to a gale at 2.30 P.M. after which came a light thunder shower followed by a gentle rain continuing on into the night. Vegetation of all kinds flourishing wonderfully under combined influence of superabundant moisture & not infrequent warm sunshines. A real old-fashioned Spring, much to be enjoyed & far more attractive in every way than the rainier ones of the prolonged series happily ended last year.

First noted: Mourning Warbler unseen but when full song I heard three at 7.30 a.m., coming apparently from the depths of the *Forsythia* bushes in front of our house. No other notes. Good migrants noted. Heard again not far from house a *Tanager* & a *Yellow-throated Vireo* but the *Redstart* & *Wood Pewee* seem to have finally departed. 2 *Indigo Birds* singing in orchard, 2 *Mockers* & a *Junco* in Back Field.

Sparrows in Pulpit Rock woods all A.M., working in house most of P.M.

Concord (Farm)

Ther

Tuesday, June 6, 1916

Wea
Mist.

Again a sunny morning with gathering clouds before noon & heavy thunder shower in mid P.M. Calm all day & warm.

No north-bound migrants under a night hawk was over. I saw & heard him at evening mounting & circling at great heights over Birch Field, occasionally pitching straight down on the wing as if to boom but making no sound the while. Robin's & Cat birds everywhere above the place. At least 8 pairs of juncos & 6 or 7 of lutes (saw at least 6 birds in Perry Pasture.

Hermit singing in Birch Field and a Wren do at Ricker place (birds bred at Farm). In a Chaffin's nest in cedars in lawn found a single egg with a small hole just in one side but contents not removed. This, I fear, is our Wren's work & our walking out W. end of barn 7 P.M. Ina Colascone better in glass jar ate 30 Eighty Carver in 15 minutes yesterday.

Spreading along S. side of Run all a.m. Just at noon. Strutting through Perry Pasture. Purple R. wood & Birch Field S. of P.M.

Concord (Farm)

Ther

Wednesday, June 7, 1916

Wea
Dull

Cloudy for most part with light, cool easterly wind. Distant thunder at noon.

Local birds in normal numbers singing freely all day long. Two ♂ Wrens, one female of lutes, seen at Bangolans. Indigo bird flooding air with his delightful chanting all day long, over lawn. Hermit Thrush, with five clear voices, singing all day in Birch Field. A Towhee, Thrasher, Nashville Warbler & Indigo bird in same locality. In Purple Rock woods 2 ♂♂ & 1 ♀ Black-burnians, 2 D. virens, 1 ♂ Pine Warbler, Wood Pewee & Tanager on borders of the woods & Birch Field. Western about car body of our house. heard Chestnut Siskin & Yellow Warbler, Maryland Yellow throat, Song Sparrow, Black bell Cuckoo, Bobolink etc.

Spent most of day in Birch Field & Purple Rock woods with Zeph & George. We cut brush in farmhouse & sprayed this & flanking brush in afternoon, using our small hand pump. At 6 P.M. started to Concord to see Dr. Chesney. He thinks C's upshot will probably not determine further at least for several years.

Concord (Farm)

Ther Thursday, June 8, 1916 Wea
Gypping with conditions Stormy

Dark cloudy with frequent showers of fine rain. Strong clear N.E. wind blowing half a gale in mid P.M.

Birds silent for most part of day in early morning & late P.M. when a few species sang rather freely.

♂ & ♀ Hummingbirds at columbine front of house almost none, & finally perched in Forsythia bush when ♂ swooped down close and has many times in quick succession swinging back & forth like a pendulum.

There are almost no Brown Thrills & but few Field Sps but Gypping larvae swarmed by myriads throughout our Farm woods when the springing has been done. In places as Birch Field & along the River they are quite as bad as was before. Berry Pasture only lightly infested. Rows of big oaks near back orchard do. Heavy infestation which has departed by springing.

Despite rain spent much of day out doors working flower beds & helping George cut lawn.

Concord - Boston - Cambridge

Ther Friday, June 9, 1916 Wea
48° min Stormy

Dark cloudy with strong, cold N.E. wind and incessant fine, misty rain. Everything dripping with moisture and thoroughly water soaked.

Silbert & I returned to Cambridge to day, he by motor after taking me to Concord where I journeyed to Boston by the 8.01 morning train. Spent most of forenoon in our office dealing with letters & noon in George Hotel. After this visited several stores to purchase wine, vinegar, ketchup etc. for use on the Farm. Out to Cambridge via subway by 3.00 P.M. met and met me at Museum Comp. Zoology to attend meeting of Committee on Zoology. 3.30 P.M. Present: Cameron Forbes (Chairman), Alexander Forbes, Dr. Warren, Randolph Agassiz, Dr. Peck, Dr. Poole. Roundtable discussion until 5 P.M. when I left the others there at it & went to my home.

C. & E. R. S. at home. We spent evening in hall looking at books & reading. Robin singing & Kingbird calling, near home.

Cambridge.

Ther

Saturday, June 10, 1916

Wear
Stormy

North-easter raging with increased violence under darkly lowering sky. Rain unceasing at times so heavy that broad pools of surface water filled hollows in our garden paths. The thermometer stood about 50° all day. All over rooms very chilly saw where open fires were alight & fed with abundant fuel.

In Garden: An Oriole, a Jay and at least 3 male Robins, the last-named all singing at once & near together in late P.M. Their voices uniting in a delightful chorus such as has rarely been heard here in recent years.

Spent certain day in home & Museum, writing letters etc. Usual Victoria concert in hall this evening. Garden rises on this eve & revealing a beautiful stand.

Cambridge.

Ther

Sunday, June 11, 1916

Wear
Stormy

Dark cloudy with light N.E. wind and intermittent rain heavy at times. Altogether a very dreary & also chilly day.

In Garden: Robin 2 ♂♂, several bob-tailed young on wing; Red-eye ♂; Goldfinch calling; Chaffin ♂ (just across Beattie St. in Hubbard Park); Flicker, 1 in apple tree; Blue Jay, heard; Swift, heard at eve.; House Sparrow, heard.

Spent most of day in home and Museum, reading & writing. Called on Mr. Spalderson in late P.M. Their visit resulting a superb show. Miss Adey, drink with us. We had Victoria music for her and more for G. & E. in the evening, besides looking about.

Cambridge - Concord.

Ad. Sand Owl with three. Young Owl dead.

Ther Monday, June 12, 1916 Wea
Gray Squirrels & Robins nest Mycel.

Forenoon sunny, calm, humid & sultry.
Afternoon dark cloudy & foggy with a
succession of heavy showers & distant thunder.

Leaving home at 7.45 - Gilbert & I returned
to Concord via Arlington, Lexington &
Bedford, reaching Farm at 9.15. Roads
deep in mud, brooks & river meadows under
water. Saw hardly any birds - not a single
Robin the whole way.

Walked outside after dinner among very
flowers until the rain drove me in.

No one here but Bartlett & George. Vegetation
suffering from excessive rain & cloudiness.

Birds singing well - including a Starling &
a Northern Oriole. Gray Sand Owl appeared
at evening flying from tree to tree behind barn.
He had in his bill with ^{under} ~~under~~ a small mouse, etc. (the thing)
with a nest of Plumbeous Robins breeding after. A
Gilbert found a red young Scops freshly dead
under maple that was born. He examined
marks of injury & bird in good condition.
Bartlett reports seeing a Gray Squirrel raid a
Robin's nest under Bengel's pine tree last
Saturday. He found there but one egg & then
ejected out being of nest. Several other Robins
nests were found similarly despoiled of late.

Concord (Farm)

Ther Tuesday, June 13, 1916 Wea
Mycel

Forenoon sunny & sultry with light E. wind.
Brief showers with distant thunder 1-2 P.M.
After that sunshiny again. Evening calm & clear.

Birds singing well all day. They have
fallen off in numbers considerably of late,
both as individuals & species. Very few have
remained young as yet. Indeed a brood of Chipping,
located in view of Bengel's pasture, are literally
all I have noted. At least 2 pairs of Robins
are feeding young in the nest, however. They
are having an unpleasant time with the Crows &
Squirrels & clamor loudly whenever either appear
near. Most of their nests have been plundered by
something. Of our Tree Swallows only one pair,
nesting in lower apple tree near well house, are left.
The Barn Swallow nest in Bengel's barn
has 5 eggs but is deserted. I found missing
wing & tail feathers of one parent bird & there
was much fear of open shed, yesterday.
It looked like a late hatch but perhaps was a
Scrub Owl.

Spent day rambling about place & woods.
Nature could not come to stay.

Concord (Farm)

Ther Wednesday, June 14, 1916 Wea
Fair

Mostly sunny but partly cloudy with light E. to S.E. wind. becoming N.E. with dense cloudiness after sunset. First rainless day since the 8th. Warm at noon, cool at noon & eve.

Birds singing freely at all hours. Wood Pewee, 2 Black-burnian & 2 D. virens in Purple Rock woods; 2 C. Wrens, White, Chipping, Indigo bird, Chestnut sided warblers, 2 Cat birds, a Grosbeak (had over on wing) singing close about house. Robins in full chorus at evening. No alarm among them to-day as the Owls have probably departed. Jays still raiding for eggs in our orchard & Perry Tanager but only in early morning. Saw 5-6 together on wing in Birch Field, 3 P.M.

Duck came again this morning & was spayed all day, he & George doing the big work at spring, I working with him & using the hose freely on larger trees through forenoon. In P.M. Zeph & I used the hand pump on shrubbery in Birch Field. Millions of Cyp. then on bushes etc.

Concord (Farm, Holden's Hill, Ball's Hill)

Ther Thursday, June 15, 1916 Wea
Dull

Mostly cloudy with strong, chill N.E. wind. a few brief intervals of sunshine in forenoon.

Zeph & I spent forenoon on Holden's Hill & Blackmore Ridge cutting 2 fine canoe tracks for their boat & a chestnut from which to make bark bird houses. All these trees peeled admirably & one of the trunks so readily that the bark almost dropped off as soon as slit. At Holden's Hill only three birds were singing in the woods, a Red-eye, a Black-th. Green Heron & an Oven bird but I heard a Bobwhite in Harris meadow & 3 Maryland Yellow throats along its edge. Their meadows deeply flooded with white. Cops rolling over them & not a sound of any kind singing there. One Black-burnian Ridge at least 20 Crows nothing something. Grosbeak, Red. g. & Oven bird had on B.H. Pine Park glorified by wondrous show of lupines in full bloom & many other wonderful with old dense fescue. Home by noon. Weeded flower beds & made bark bird houses with Zeph's help, in P.M.

Concord (Farm)

Ther

Friday, June 16, 1916

Wea
Dull

Cloudy & foggy with some fine mist driving before chill N.E. wind and a brisk shower of large drops in P.M. Sun out once or twice for a few minutes.

The singing of many if not most of our local birds has apparently passed its full-tide for now & is sensibly abating although a few species such as the Robin, the Red-eye & the Indigo-bird are notable exceptions to this rule. The Cat birds, also, continue to sing freely. Insect swarms at last among the Robins since the Scare Owls have departed but I know of only two occupied nests one in a dense foliage of apple tree at least of hawthorn, the other in front of it in the Forsythia thicket, both with young. There is a Cat bird's nest with eggs in the sunbaking bushes under one back window.

Spent most of day working & transporting among my flowers. Going away later now. Walked Mrs. Berry Parker at last. Chestnut St. Hill. Am glad only birds singing there.

Concord (Farm)

Ther

Saturday, June 17, 1916

Wea
Stormy

Dark cloudy with incessant heavy rain from day break to sunset, flooding roads & mowing fields and overflowing brooks & other water courses. One of the most violent & continuous downpours of this excessively rainy month. Vegetation flourishing remarkably where not drowned. Not for many a year have I seen the tree foliage so luxuriant at this season. Even our big elms seem to be recovering much of their lost vigor.

Spraying - such as could be done - uncommonly effective this year. Every where about the farm it has well-nigh exterminated all leaf-eating insects but the Gypsy are bad where no poison has been used. What has become of the Colaspidae? I have not seen one swimming about yet.

Mountain Laurel about to bloom - very late but a splendidly ripe as yet.

Birds mostly silent this day. Delightful concert of Vireos in sum at 7.30 P.M. when I had two singing close about me at one near Purple Rock.

Spent more of day working in barn & shed with the Bull and Sheep. Walked to Brook Field at last. Brook rising as Glen

Concord (Farm)

Ther Sunday, June 18, 1916 Wea
Hm Pheasant with young. Fair

Mostly sunny, calm & pretty with a
short but brisk thunder storm in
late P.M.

Strawberries beginning to ripen. I had my
first, them in morning, to night.

Leaving the house at 8.30 A.M. I
strode through the Barn Pasture having
there 2 Chantrelles, 2 Field Sparrows,
Yellowthroats, a Song Sparrow, an Ovenbird
& a Crow. Also a gray & Purple Finch.

Next to the barn place where a Song Sparrow, a
Chipping, a House Wren & a House Sparrow
were singing & a pair of Catbirds building.
Another Field Sparrow across road in Horns.
Next along border side of barn to Spring where
I heard an Ovenbird, a Solitary bird &
a Black-burnian. Another Black-burnian, a
Pine Warbler & a D. Wren in Purple R. woods.
Indigo bird, House Wren & Chipping in
Pine Field. Went further through middle
part of day. Called on the Horns at 6 P.M.
Catbird, Yellow Warbler, Oriole & 2 Song
Sparrows singing there. Redstart singing
all day near barn by chimney. Then Pheasant
with five young as big as Bluebirds in Corn Pasture.

Concord (Farm)

Ther Monday, June 19, 1916 Wea
Mixed

Morning brilliantly clear & windless;
clouds gathering & S.W. wind rising this
forenoon; incessant heavy rain all afternoon.

With confident expectation of an ideal
day for spraying I set forth with Dremt Gorge
this morning. We began operations near the
Spring and sprayed thorn along the road
leading to Prescott Point & Burrows. By noon
the sky looked depressing, threatening
and shortly after 1 P.M. the rain
began and drove us home, after the
last chaf of hair and water had
deluged foliage already too wet to
make it worth while. I spent
most of afternoon in barn, reading
& writing.

Somewhat to my surprise a pair of
Tree Swallows were feeding young in nest to day
in box on Barnyard shed. I saw them building
these a month ago but since then have
never noticed them. Stated a ♀ forager taken
from a male in unusual situation. It was
glared close against upper lip of small red
box by side of path in Cedar Post. It was
only half finished & looked exactly like a
Pine Field Wren.

Concord (Farm)

Ther

Tuesday, June 20, 1916

Wea
7 in

Clear & cool with violent N.W. wind.
The first really fine day for I know not
how long.

Only a few half-ripe strawberries as
yet. Mountain laurel just beginning
to bloom. Locust blossoms well out.
All flowers unusually late this far.
I was passing. No roses yet.

Spent entire day working in
flower gardens with Burbank &
George. We pulled or dug up countless
weeds of various kinds and sowed
a miscellaneous lot of seeds (some 8 or
10 years old) broadcast in vacant spots.
The old garden behind house has been
utterly neglected until now but nevertheless
is radiant with brilliant poppies &
other flowers.

Birds mostly silenced by high wind
but Goldfinch, Indigo bird, Oriole & others
others sang freely near house. Walked to
Brick Field 7.30 - 8 P.M. Towhee singing
then. Oriole calling in tree & Green backs
singing blue bird song. 2 Robins near spring

Concord (Farm & Ball's Hill) - Cambridge
at Deer Pt. seen in the flower garden, Cambridge.
Ther Wednesday, June 21, 1916 Wea
Final spraying of woodlands. Fine

Brilliantly clear with light westerly wind
up to 4 P.M. after which clouds gathered
bringing brisk showers (5-9 P.M.)

Dusen came for the last time this morning
and with George to help we put in a systematic
& very efficient forams work, the most satisfactory
by far of any that has been undertaken this season.
We began in Brick Field, where millions of
sucking larvae were thrashing a strip away from
most took the wood path leading towards
Burbank, where they were comparatively scarce;
thence to Pine Ridge where they were bad only in
spots; finally reaching the back side of Ball's Hill
shortly before noon & finding only a few there. On
the lower side there were fewer still so we decided
to spray only Burbank's Thicket & thence to Pine Pole
shed. Leaving Dusen & George to perform this task
I returned to the Farm at noon. After dinner
Burbank & I sprayed with our hand pump, the
shrubs along N. side of Court Yard & two apple
trees close behind our house. At 3.45 P.M.
Selmont & I started for Cambridge, leaving there
at 4.50 when I went to Harvard Square & had my
hair cut. After Stone dined with C. & E. H. S. I
was at 7 & stayed until 9. Some after that I
went to bed. Mrs. Stone saw a big doe in
the flower garden yesterday. yesterday
morning - it looked like a deer & ran up the street.

Cambridge

Ther Thursday, June 22, 1916 Wea
Young Robin entangled in leaves & thigs Glorious
Brilliantly clear with strong, cool, breezy
N. W. wind.

In Garden: 2 Robins singing, several spotted
young, one found dead on ground under
drooping branch of linden to which it had
unfortunately lashed itself irretrievably by getting
a plumet twig & several leaves entwined in
& around the primary quills of one wing.
(I shall send it to Fraser to measure & to
Skinner). Only one other bird heard singing
- an Oriole in the jungle. He had an
unusually varied song and a rare flute-like
quality of voice sounding like that of the
British Blackbird. I listened to him twice
before feeling sure that he was an Oriole.
A crows or more Crow Blackbirds do, mostly
chattering song, were raising the evening
chirps all day. Heard Swifts at evening.

Spent most of day in house &
Museum, reading & writing & packing
for trip to Haffs & Bethel. Because
of a neuralgia attack sent for Dr. Smith
in P. M. He could discover nothing very
much the matter with me but told
me the coming

Cambridge - Wolfeboro
Annual Meeting Academy of Sciences
Ther Friday, June 23, 1916 Wea
N. E. headed Woodpecker Fine

Clear with strong cool N. W. wind.
Leaving Boston at 8.50 A. M. & traveling
thru by way of Dover & Rochester I reached
Wolfeboro at 1 P. M. & went at once to Mr. Halsey's
house. After a good luncheon he & I walked
our reading grounds where we saw a handsome
Red-headed Woodpecker among the elms shading
roadway to our ball ground. He flew on ahead from
trunk to trunk & then turning back circled low
over us on set wings. Started a Meadow Lark &
headed a Governor Sp. in our grass field, no Robins
there. Comparatively few birds along village street,
noted there a Warbling Vireo, Great Flycatcher, 2
Wood Pewees, several Chipping Robins etc. Many
Swifts at evening & usual colony of Martins at
bird houses on barn S. of our grounds, no
large swallows about Academy but their old nests
intact & tenanted by House Sparrows. Observed them removed.

Justus meeting began at 2.30 others partly taken
from trip over lake, Presant, Abbott, Erickson, Halsey,
all Young Smith & Evans our new members, Adgerwood at
5.30 to enjoy perfect dinner cooked & served by our
juniors in Brown Dormitory. Graciously of course 8-13
P. M. very good, continued Justus meeting in library
8.15-12 P. M. Mostly routine business &
no "clashes".

Wolfeboro - Bethel

Ther

Saturday, June 24, 1916

Wea

Clear with light southerly wind until late P. M. when clouds began gathering. Cool.

Left Wolfeboro at 8.10 a.m. and journeyed to Bethel via Dover & Portland. At South Paris Dr. & Mrs. Gehring pointed me quite by chance, coming from Norway where they had spent day fishing for Bass. On reaching their home the Doctor & I spent an hour or more strolling about the grounds looking at his flowers. Soon after dinner we went down into Shaker woods. Reached in time to hear the evening birds concert at its best. Many birds look new in it than I have ever heard them before. The still air rang with their varied notes. There were at least 5 or 6 Vireos, 2 or 3 Herons, 1 Swallowtail (Thersites), a building warbler of Chestnut-sided & Canadian Warbler & Peewee birds, 2 Redstarts, several Dove birds & juncos, a Cuckoo (Calliope), a Night Hawk, a Kingbird, a Kingfisher, a Robin, a Chipping, a Least Flycatcher, a House Sparrow, a Red-eyed Vireo, a Junco etc. Singing clear about the house. Walking down valley third year breakfast heard Red-eye & walking birds (one each) & a House Wren, his driver. A few House Sparrows. The Doctor exposed a Barred Owl & a Long Eared Owl hunting his woods of Cats. He did not know of any coming. Goshawks being seen last summer.

Spent most of evening in the lounge talking with the patients (a wholly new lot about eight in number) and later with the good Doctor - until almost midnight.

Bethel vegetation as elsewhere, wonderfully exuberant especially foliage of trees & shrubs

Bethel.

Ther

Sunday, June 25, 1916

Wea

Stormy

Forenoon dark cloudy & densely misty. Heavy rain all afternoon & evening. Cool. In early morning heard Nashville & Chestnut-sided birds. Canadian Warbler, Vireos, Robins, Chipping, Least Flycatcher, a House Sparrow, Peewee birds, juncos etc. Singing clear about the house. Walking down valley third year breakfast heard Red-eye & walking birds (one each) & a House Wren, his driver. A few House Sparrows. The Doctor exposed a Barred Owl & a Long Eared Owl hunting his woods of Cats. He did not know of any coming. Goshawks being seen last summer.

Spent most of day & evening talking with him & his patients. He had planned a long woodland walk for two afternoons but the down-pouring rain prevented. Among the patients on Mrs. Mills, daughter of Mrs. Bombardier, & Mrs. Mrs. Vinton, both acquaintances. There are also or guests a young bird-like couple, Mr. & Mrs. Marshman, my associates & John Lane whom I have long known & liked.

Bethel - Boston - Cambridge

Ther

Monday, June 26, 1916

Wea

Clear & warm with light southerly breeze.

Left Bethel at 8.50 a.m. and reached Boston at 3.35 P.M. Mrs. MacVicker on the train with me as far as Portland. We sat together part of way & talked & looked out of windows at fields filled with golden Buttercups & white Daisies in unconcealed profusion & full-blown. Orange Hawkweed all the way to Portland & in some fields ominously wide spread.

On reaching Boston went straight to our office but found it closed. Thence to Cambridge where I spent remainder of afternoon working & rambling about gardens. C. & E. had gone off motoring with Gilbert but they returned at 6.30. We had supper on back piazza. Harry Bartlett came shortly after it and spent evening.

In Garden 2 Robins & a Red-eye Vireo singing; one of the Robins with rare sweetness & fervor. A Jay uttering readily of liquid notes at sundown. 2 Swifts careering about overhead.

Cambridge - Boston - Concord

Ther

Tuesday, June 27, 1916

Wea
- Fine

Clear & oppressively warm & humid with light southerly wind.

In Garden 2 Robins & a Red-eye singing, 8 Cross Blackbirds on lawn, 2 Jays in Juniper. Concord Farm, Red-eye, House Wren & Chestnut side possible singing near house, Cuckoo & least T. flycatcher calling, a Veery in Sharp Shiner / & 3 or 4 Robins singing at eve. Cat-birds singing a little. Three nest in shrubbery behind house held young to-day. Several T. Wrens thrashing furiously but briefly. I took them to 6 young birds.

In Boston at 10.30 a.m. Bought a pair of trapping shoes at Mr. Neil Thayer's. Thence to our office where I saw Gallagher & Darling & signed quarterly cheques. Dined at Marston's. Thence to Fuller's & Ames Plough Co. for a final look. Took 2.40 train to Concord where Gilbert met & motored me to Farm. Strolled about then until sundown. Abundance of fruit, large ripe strawberries, 1000 Mosquitoes. Fire loads in trees close to house. Keeping up incessant calling throughout evening.

Concord (Farm)

Ther Wednesday, June 28, 1916 Wea
fine

Clear, calm, warm & sultry with
thunder shows passing to N. of us in mid P.M.

Birds singing freely all day. I
miss only a very few of those heard
early in the month but they have had
in success breeding this year & almost
no young except one or two broods of Robins
one of Chipping & one of Orioles seem to
have been reared thus far. On looking
into the Towhees' nest in the little
creek in Cedar Park this forenoon
I found, to my surprise, that it held
nearly hatched young. How this could be
when it was certainly empty & only half
finished on June 19 & held but one
egg on the 21st is beyond me to
understand.

The Towhees calling incessantly in trees
close to house & Green Herons in field across
road after day.

Spent most of day working about the
Farm. Walked to Birch Field at 10 o'clock
by way of canoe taking them.

Concord (Farm, Davis Hill, Balls & Holden Hills)

Ther Thursday, June 29, 1916 Wea
Ant Lions on Davis Hill. fine

Clear and cool with fresh N. W. wind.

Usual birds in usual places about Farm.

In Pulpit Rock woods a Canada Warbler
singing, a Black-burnian & 3 D. Orioles singing.
In Birch Field a Mock with Wren singing steadily;
2 Towhees (one singing) together in our dogyard
den, ♀ on nest with young, ♂ & in Prescotts pine,
♂ & on Balls Hill. 2 Pine Woodpeckers at bird
singing on Davis Hill. Just to north of it, on
poplar grove north across swamp, a Hermit J.
in full song at 5:30 P.M. Between it and
Holden's Hill, along edge of river meadow
(still flooded) I heard singing 6 Song Sparrows,
5 Turkey Vultures, 2 Red-wings.
Between jumping near Birch Hill, another on
S. side Great Meadows. 2 Black-burnians
calling loudly.
Smooth, slender, blackish meadowlark 3
inches long stopping red maple 2 over Swamp.
Strong colony Ant Lions scattered along country
bank by road way river front Davis Hill.
Spent A.M. in Birch Field with Black-burnian
singing with one hand pump. Walked to
Balls Hill via Davis Hill & back via Holden
Hill in P.M. (5-7)

as C & J were standing on our front lawn at 6.30 P.M. a Black Duck flew over it actually behind the legs of two father and son.

Ther Friday, June 30, 1916 Wea
Black Duck flying over lawn. Perfect

Black Duck flying over lawn.

Perfect

Brilliantly clear & delightfully cool with
brisk norw. west wind.

Birds at Farm: Just the usual ones -
Robins, Chipping, Red-eyes, Oriole, Crows
& Least Flycatchers etc. Wood Pewee
singing in trees. Fairly party of
House Wrens there. Young Flicker calling
in near trees, answered by another in
nearby trees. Saw Marsh Hawk flying low.

Birds in our Garden, Carbon¹ 29: In late P.M. 2 Robins singing, adult Oriole scolding & one or more of its young uttering the "Tee-bow" here - we - are" note. 2 Swifts flying overhead at evening. Several House Sparrows. One or two Jays

Spent forenoon with Burbank, making various things in shop, among them a couple of jessies to catch lupine seeds. Leaving home at 3.20 P.M. Gibson met me at Cambridge. Reached at 4.30 home. C. alone. E. having gone to Bangs. We read about 8 hard breasted notes in evening.

Cambridge - Manchester. By the Sea.

Ther Saturday, July 1, 1916 Wea
Fine

Fein

Clear & moderately warm with fresh W. wind
In our Garden: Robin, 12 + ad & juv. 2 ♂♂; Red eye, ♂ & ♀; Blue, ♂ ad; Jay, 3; Starling, two broods young with parents, 11 birds altogether, feeding on lawn & on ripe cherries; House Sparrows (Marchmain - by the Sea & Dana Woods & Shore)
Pine Warbler ♂ & ♀ (near house); Song Sparrows ♂ & ♀ (garden); Chipping, brood of young; Fl. Warb 1 on wing;
No other upland bird seen or heard between

4 P.M. - Sunset (a calm & serene one).
Along shore: A Green Heron on wing, a few
Crows, about 50 Herring Gulls, mostly adults.
Spent forenoon in house & Museum talking
over C., writing letters etc. Took 2.20 P.M.
train to Marshfield where Dick Dana met
me at station and motored me to his
beautiful summer home. After reaching
there we rambled along the beach and through
the woods until sunset. The wind had
then died to a gentle breeze & the air was
glorious, under a cloudless sky. Yet unbroken
silence reigned for the next hour. Never before
have I known such loneliness do utterly before
at such a season, as regards birds. Apparently there
were no more than half a dozen in the whole road
across. The trees were thoroughly sparsely leaved
around Wilder's day the movement around in

Manchester - By - In - Sea.

Ther Sunday, July 2, 1916 Wea
Stranded Hawk & Herring Fair

Sunny but hazy with clouds gathering in mid P.M. and thunder showers later, followed by ever rising east wind and increasing roar of surf beating on ledge & beach. Cool.

Dick Dana & his niece motored off to church at 10.20. I sat outside on back piazza writing & enjoying the fine sea view. Harry Dana joined me there about 11.30 & later came Dick's sister Rosamund to him and his daughter Frances, with her small son, still later to sup & spend the night.

In afternoon Dick & I had a delightful walk first down through his woods, where there seems to be almost no bird life at present; next through the Dana's beautiful garden & thicket, where 5 or 6 Song Sparrows & 3 or 4 D. verreaux were singing; finally along the exquisitely smooth & hard beach of "singing sands" thickly strewn at high water marks for its entire length with dead shells of from 2 to 5 or 6 lbs. longer & even more plentifully with young Herring 2 or 3 inches in length. Most of the larger fish had been packed open & were on land eaten by Crows & Gulls. They had presumably chased the little ones ashore at high tide but might have been driven there by decaying. In a few places the little ones covered spaces 2 or 3 ft. of sand with an imbrication of silver scales.

We spent evening in living room talking cheerily of various things.

Manchester - Boston - Cambridge.

Ther Monday, July 3, 1916 Wea
Dull.

Cloudy warm & humid with a succession of thunder showers in P.M., none, however, of long duration or much violence.

We breakfasted at 8 at Mr. Dana's, Richard, his daughter Frances & his niece Rosamund. Harry came down later. After that we sat in the living room together talking. At 10.27 Dick, Rosamund & I started for Manchester in the Ford, Dick driving at fast & accurately, reaching the station we joined Rosamund's mother, Rosamund, with whom I journeyed to Boston as with Edith Dana two years ago. From North Station I went to our office where I saw Galloway & learned of Edward Allen's death on Saturday morning. It leaves Arthur & me the sole survivors of the Brewster Scout Platoon force of the early scouts. Lunched in Exchange Building & came out to Cambridge at 2 P.M. finding E. at the house. E. R. S. returned from Bangor at 4 P.M. E. & I played English near records before that & found him & them country

Cambridge.

Ther

Tuesday, July 4, 1916

Wea
Stormy

Dark cloudy with almost incessant & at times heavy rain. Cool. Little or no wind.

In Garden: Half a dozen or more Robins 3 singing at once in late P.M.; Ad. ♂ Dove accompanied by several persistent calling young; T. flicker, shouting feebly; Crows cawing in distance; Starlings screeching; Swift heard at evening; many House Sparrows old & young.

Spent most of day in Museum writing letters. Victoria concert in hall this evening lasting about one hour.

Cambridge

Ther

Wednesday, July 5, 1916

Wea
Mixed.

My sixty-fifth birth-day.

Forenoon dark cloudy with some misty rain.
Afternoon sunny calm & serene.

In Garden: Several Robins, 2 singing well; ad. ♂ Oriole singing feebly, followed by young bird; Thrasher on lawn; Swift & Starlings heard. House Sparrows as usual. The Robins object to presence of Starlings in cherry tree. To-day & to-day I saved one attack & drove a Starling who resisted steadily about a young bird.

Thanks to Co. Thoughtful devotion I have had a delightful & memorable birth-day. She had arranged to have Harry & Amy Spelman at luncheon & Harry & Alice Bostlett at dinner. (6.30). At the latter meal there was a handsome & delicious cake illuminated by red candles intertwined with ferns & other greenery. Our guests were most cordial & all brought little presents of amusing kinds. By telephone Mrs. Sander & Miss Blatky had sent kind congratulations. We had Victoria music both afternoon & evening. Altogether the day passed very happily for me.

Bambridge - Boston - Concord

Ther. Thursday, July 6, 1916 Wea
Fine

Clear & cool with light easterly wind.
Fleecy clouds overspreading sky at eve.

C. & E. R. S., with Percy & Charlotte, took
9.20 a.m. train for Williamstown. I
selected numbers of records to be
ordered for Davis collection & then
went into Boston, reaching our office
about 11 a.m. I sent for John Abbott
& questioned him closely about Janet's
appeal to Supreme Court. He claims to
have papers ready & promises to put the
case through within next three months.
Lunched at Marston's & called on
Steinmetz to order records. Took 2.40
train to Concord where Gilbert met
me. We intended to sleep Hollow where
humbucks & Carrels planned last spring are
looking finely. Thence to Farm where
I strolled about until nearly dark.
Many birds close about house. Robins
Coe birds, Song & house Sparrows singing
freely. Song Sparrows gone from nest at
Cedar Pond. ♂ singing & ♀ calling and coming
head by.

Concord (Farm)

Ther. Friday, July 7, 1916 Wea
90° max. Fine

Clear & hot with light S. W. wind.
Warmest day of season thus far.

The birds singing in orchard close to house all the evening (8-10 P.M.)

Birds singing freely in early morning
& by no means sparingly through day.
Among others heard at farm house were
a Chantrelle & a Phoebe. A Solitary baird
in full song near Pollock's Pond at 2 P.M.
Two Veeries & a Maryland Yellow-throat
in berry garden & two Robins close to
our house united their voices in a
delightful concert at twilight and
falling this evening. Red eye, Tanager &
2 Indigo Birds singing an interlude all
day. North Sparrow of Cuckoo heard.
Green cock Pheasants coming at dinner.

Sparrow much of day working flowers beds.
Dexter comes down to dinner. After
it is over to Birch field. Gypsy
Carnegie swarming there. They have completely
flipped many bushes & are now at work
on white & pink ferns. Looked for
Calamagrostis but saw only two.

Concord (Farm)

Ther

Saturday, July 8, 1916

Wea
Mixed.

Forenoon sunny, intensely hot & humid with light westerly breeze. Afternoon cloudy for most part with succession of thunder showers. Lasting into night.

Usual birds singing in accustomed places about Farm. Grosbeak song twice in full voice, in the Elm, 10 a.m. At least 4 pairs of Catbirds, two behind house, one near poultry yard, one near Birch Street. Very many misty Robins probably not less than 8 pairs, two with nests in locust tree close to house, the others scattered about, some near Cow Pasture, several in Berry Pasture males singing well.

Spent most of forenoon supervising erection of wire fence for poultry yard in hickory grove. In afternoon Gilbert & I, with Bluebank, picked hundreds of Gypsy larvae from Rosebush bushes along lane which have been well nigh stripped by these pests. I did not discover their presence until yesterday

Concord - Cambridge

Ther

Sunday, July 9, 1916

Wea
Mixed

Forenoon cloudy with several brief thunder showers. Afternoon sunny & calm. Cool all day.

Birds singing freely about Farm 7-9 a.m. included several Robins, 2-7 hammers, one Indigo bird, two Song Sparrows. A Phoebe sang fitfully & a Grosbeak faintly & brokenly.

In Cambridge Garden a Thrasher "shouted" many times about noon and three Robins sang long and gloriously towards sunset. Besides these I noted only a Swift heard in evening & numerous House Sparrows.

Leaving Farm at 9.30 a.m. Gilbert & I motored to Cambridge via Bedford, Lexington & Forest Road, reaching Museum at 10.30. Dined at the Spelman's at 1.30. Gilbert packed my things 3.30-6. After that walked up Brattle St. & making badly fairchild came back with her & called on her mother

Suffered about a back pain. Solitary evening - with Jimmy & Howard.

Cambridge - Glendale

Ther

Monday, July 10, 1916

Wea
Mixed

Partly cloudy but mostly sunny.
Slight rain in early morning. Warm.

Left our house at 9 a.m. to catch 10.05 P. & A. train at Trinity Court for Glendale. Had to wait about an hour at Pittsfield for south-bound train leaving at 3.35. Dan met me at Glendale station with his new "Dodge" car & Margaret joined us in the village, while Mrs. French returned from playing golf at Stockbridge soon after we reached the house. She & Margaret seem well but have not been so & for this season are keeping much out of doors & will have fewer guests than usual this summer.

Dan & I strolled to the pasture look out at 5 P.M. & spent an hour or more there. 2 Hermits & 1 Wood Thrush singing gloriously, one of the former on the old station on ridge, the other in woods behind studio.

Warblers mostly silent but a D. velox & D. black-throated sang freely & fitfully.

Spent evening in parlor, talking.

Read at 10.00, catching over lunch. Humming-birds in garden, just dim.

Glendale

14

Ther

Tuesday, July 11, 1916

Wea
Fine

Clear, warm, humid. Light S.W. wind.

Birds singing freely through most of day. Nearly all the accustomed species present close about house - including Robin, Wood Thrush, Black-thr. Green Warbler, Downy Woodpecker, Red-eye V., Solitary, Yellow-throated, Wood Pewee, Crested Flyc., Phoebe, Cedar bird, Purple Finch, Chipping, Field Sparrows, etc. Robins as numerous as usual but totally silent. No Song Sparrows heard. Dan has seen only one Bobolink & that at Stockbridge.

Spent most of day in room writing letters & putting my things in order. In late P.M. strolled about the place with Dan visiting hill-side studio where Mrs. Cadden is making an enlargement of the new Lincoln (seated figure to be placed in Potomac Park, Washington).

Dan is working more out of doors than common, pruning shrubs etc. His foreman, James Kelly, left him about a week ago.

We spent evening together in parlor.

Glendale

Ther Wednesday, July 12, 1916 Wea
88° May Fair

Oppressively warm & humid with light southerly breezes & distant muttering of thunder. Evening serene & beautiful with refreshing breeze and myriad fire flies flickering over fields of sweet grass.

Birds singing freely & delightfully, especially at noon & eve. Nowhere else in localities known to me can so many of such varied kinds and sweet voices be heard so close about a large & well appointed country house. Here we hear only near at hand not only those given to frequenting cultivated grounds but also practically all the characteristic woodland species as well. It is especially grateful to hear the Road Thrush, Hermit Thrush, Solitary Oriole & several species of forest dwelling warblers as I sit writing in my chamber or lying awake in bed. A pair of Red-throated Loons were heard today singing wildly over the house this morning & at evening there was a *Phrynosoma* Speck heard of day in room answering latter Dawn & I called on Mockingbird in late P.M. Evening passed as usual in quiet.

Glendale

Ther Thursday, July 13, 1916 Wea
Cat Bird Sereading Rabbit- Foul

Forenoon cloudy, calm, oppressively sultry. Heavy thunder shower at noon followed by succession of other rain or less violent & protracted continuing through afternoon.

Used local birds, in accustomed places, singing more or less freely when the rain held up & sometimes during its intermissions.

A young young(?) Rabbit, scarce half grown, is haunting the grounds close about the house, appearing fearlessly on the lawn at early morning & late afternoon (usually well after sundown). Last evening he came within a few feet of the storm step - at north door & while there was encircled twice, within a foot or two, by a ♂ Cat bird who, while hopping about him on the ground, sang creatively in subdued tones - altogether a very pretty & interesting thing to witness & listen to. The Cat bird did not seem to alarm himself or even wish to do so but I twice saw a Robin fly straight at him as if with such intent yet without disturbing his serenely. Spent forenoon reading in my room & playing in the big woods just back of house. Dawn & I motored down valley at noon to lunch with Mr. Bridge back to 2 P.M. more beautiful weather. Evening spent as usual.

Glendale.

Ther

Friday, July 14, 1916

Wear
Fine

Clear & cooler with light W. wind.
Typical midsummer day, neither too warm nor
too cool for perfect human comfort.

Birds singing with exceptional freedom &
brilliance all day long. I enjoyed their delightful
music keenly especially towards evening when,
from woods behind studio, came almost
ceaselessly the songs of two Hermit Thrushes, a
Wood Thrush & a Wood Pewee, besides those of
a Red-eyed & a Solitary Vireo with every now
& then that of an Oven-bird. The Wood Thrush
is an exceptionally good singer and one
of the Hermits has a truly divine voice.

Spent most of day in chamber reading
writing & sleeping. (Of the last I cannot seem
to get enough just now.)

It was Mrs. French's weekly "at home"
afternoon & a dozen or more people
came to chat & have tea beneath the tree in
the garden by the fountain. Among them were
Mr. & Mrs. Joseph Choate & Mr. Casconius, with
several others, besides others, I had
pleasant talk.

Glendale

Ther

Saturday, July 15, 1916

Wear
Fine

Sunny but densely hazy. Comfortably cool
with fresh westerly wind.

Birds generally silent through day, probably
because of high wind. When it died away at
sunset they sang freely and the woods at rear
of studio rang with the clear voices of Wood &
Hermit Thrushes while the plaintive, exquisitely-
modulated notes of the Wood Pewee continued to
come thence until night closed in. Early in
afternoon a Warbling Vireo sang thrice in the
proplase by the studio to which, no doubt,
he had merely strayed from Glendale village
where one or two pairs of his kind breed
regularly every summer. Another unusual
visitor to the French's place was a Green Heron
seen on wing, flying low eastward, this P.M.

Spent most of day in house & studio, writing
letters & playing Victrola for Dan's entertainment
while he worked on a small angle he was
mending. He & I walked to Miss Warrin's later &
saw her & her son - in interesting conversation.
Mrs. Schwaner & Louise arrived at noon to spend
Sunday. Miss Helen Roughfellow & Mrs. Gager of
Cambridge, called on mid P.M. when I saw
them about 8 o'clock as well as the two

Glendale

Ther

Sunday, July 16, 1916

Wear Fair

Mostly sunny but partly cloudy & densely hazy. Warm with fresh S.W. wind.

Not much bird music save at noon & on when Wood & Hermit Thrushes, Wood Pewee, Indigo bird & others sang freely. The Robins remain for the most part silent at all hours, being constantly occupied in building, food for broods of young about to leave or just out of, the nest. Some engaged they do our lawns plentifully at times. Among them, this evening, appeared our little *Coccyzus*? Plover, very tame & confiding as usual.

Spent forenoon writing letters. Dan & Mrs. French motored off to Hudson (42 miles) for the day.

Ralph Hoffmann called on me at 3.30, staying until past 5. I took him to Pasture Outlook where we sat for an hour or more & had a delightful talk, largely about Parkman flora & the birds he has seen near Kansas City. He heard a Peabody bird in the beach swamp & found a nest of 2. chicks with well-developed young among water lilies. He saw a directly one robin in oak & cedar & 1 ft. from ground. After he had gone Mrs. Bigner & her daughter came & later Mr. Sudsman. Dan & Mrs. F. returned in time for supper, after which we sat on porch & chatted pleasantly.

Glendale.

Ther

Monday, July 17, 1916

Wear Stormy

Raining ceaselessly, at times heavily, through forenoon. Afternoon dark cloudy. Sky clearing at sunset. Oppressively warm & humid all day with light southerly wind.

Comparatively little bird music. It has obviously begun to materially decline although most species continue to sing more or less and a few almost as freely as ever. I cannot understand the very general silence of the Robins, established before I resided here on the 10th. Last year they sang gloriously and continuously up to the 25th of July and at noon & on were heard for a week or so later.

Spent much of day in room reading & writing. Played Victrola music in studio for an hour or more after dinner to entertain Dan & Louise. Schoonmaker whom he is making an oil painting. He & I walked down road almost to village in late P.M. Mrs. Schoonmaker departed soon after luncheon.

Glendale

Ther. Tuesday, July 18, 1916 Wea
7 in

Clear warm & humid with
fresh S.W. wind.

Birds singing rather freely at
noon & eve but for most part
silent through mid-day hours.
The Wood Thrush behind studio
& one Hermit in the back pasture
were in full song 5-6 P.M.
At that time a Black-throated &
a Black & Yellow Warbler were singing
freely among hemlocks there.
There also, a Veery was calling - the
only bird of its kind noted by me in
Glendale this year.

Spent forenoon in chamber copying
Cambridge Garden notes into permanent
book from diary. Played bridge
for Dan 3-4, 30 P.M. After that
we strolled to pasture outlook &
remained on bench there for more
than an hour, talking. It was
divinely beautiful & useful there.

Glendale

Ther. Wednesday, July 19, 1916 Wea
Young Cedar birds. Pine disease. Perfect

Glorious midsummer day warm, but
not oppressively so, with cloudless sky,
brilliantly clear air & fresh cool breezes.
Haymakers busy everywhere harvesting
the superabundant crop of tall grass.

Birds singing more or less freely all
day. Two Indigo birds vying with each
other near the house. Wood Pewee not
long silent at any time even at noontide.
Hermit, Wood Thrush & Robin in full voice
towards sunset.

Hearing Cedar birds see up frequently in dense
foliated apple tree just behind studio I
examined it closely & presently saw three nests
with one young bird in the only one visible -
perched on twig beside it. He was full fledged
but crestless & somewhat more aged looking than
his parents. In neighboring apple tree found
a Kingbird's nest high up & conspicuous with
parent bird sitting, his head held high &
constantly moving about.
Spent forenoon in room copying Cambridge
bird notes. Played bridge to Dan after
luncheon. At 4 P.M. we went into woods
behind studio & cut out a vista. These
birds we walked down road to Mrs. Butch's &
spent hour with him. Hundreds of white-throats
affected by rust disease & many others as well
since 7:30, & a ~~large~~ ^{large} ~~number~~ ^{number} ~~of~~ ^{of} ~~birds~~ ^{birds} ~~at~~ ^{at} 9 P.M.

Glendale.

Ther
87° may

Thursday, July 20, 1916

Bird song declining fast.

Wear
Fine

Clear & very warm but not oppressively humid.
Fleshy clouds gathering in late P.M. & brilliantly lit in
western sky at sunset. Light southerly westerly winds.

Bird singing declining very generally and also
rather abruptly. Several species in full song only a few
days ago are now seldom or never to be heard. Others as
the Hermit, the Robin & the Solitary Vireo continue to sing
freely only at noon & eve. Through mid-day hours
to-day there were prolonged periods of total silence
in both woods & fields. The Indigo bird, Red-eye
& Wood Pewee hold out best of all but even their
musical fervor is obviously waning. The Chaffy
still sings at all hours but only listlessly.
The Field Sparrow has almost ceased. The Goldfinches
sing now but sparingly & fitfully - as is their
habit, even at the height of their late breeding season.
At night we hear the tramping of Buck Frogs
coming faintly from the dead water above the
village dam. Only field Crickets as yet. I see this
numerously flitting over grass fields & lawns.

Spent A.M. in chamber copying notes,
early P.M. in Studio playing Violata, late
P.M. rambling about grounds. Mr. Sedgewick &
his wife Mrs. Me. Vaughn made us a brief call.

Glendale.

Ther

Friday, July 21, 1916

Wear
Dull.

Forenoon cloudy with light showers.
Afternoon partly sunny with distant thunder.
Oppressively warm & humid.

A recrudescence of bird singing, especially
in forenoon, when the Hermit Thrush, Solitary,
Yellow-throated & Red-eyed Vireos, Wood Pewee
Indigo bird & Goldfinch sang rather freely
and vigorously. The Robins, also, joined in
from time to time & the Chaffy took
their part of somewhat listlessly. The
Wood Thrush seems to have ceased
altogether and the Field Sparrow is no
longer often heard.

I spent entire morning in my chamber,
copying Cambridge bird notes. Played
Violata to Dan after luncheon & later joined
the amble by the fountain at end of Studio
where Mrs. French received her weekly callers.

Some 15 or 20 came among them two Christs,
Mrs. Clark, Mrs. Me. Bessing (English, with a
chattering little daughter 3 years old), Mr. & Mrs.
Blommestein (he Dutch, she American, both actors),
Mrs. Bullett (he Miss Davis) I talked mostly
with Mrs. Christ. In spirit well pleased.

Glendale.....

Ther

Saturday, July 22, 1916

Wea
Dull

Mostly Cloudy with oppressively warm
& humid air.

Birds singing fairly well through
forenoon and again at sunset. At
latter hour heard two Wood Thrushes,
one at rear of studio, the other in
woods across road near the Warner place.
The Field Sparrow song especially well &
often through the morning in thickets
bordering on the road.

Many gigantic Black Beetles are
fragmenting the decaying trunk of an
old Butternut tree standing near
the studio. They enter & emerge from
a hole near its base & then scurry
about over the lawn, occasionally
unfolding their wings for distant flights.

My day passed much as usual.

In forenoon I wrote letters & played
violin in studio which Dan worked on
an oil painting of Boris Schommer.
In P.M. we had a call from Mr. Intosh
for whom I played many recent records.

Glendale

Ther

Sunday, July 23, 1916

Wea
Fair

Forenoon sunny, hot & humid with
strong S.W. wind. Clouds gathering by
mid-afternoon. Clear, calm, cool evening.

Birds singing only sparingly & fitfully through
warmer parts of day among these Red-eyed &
Solitary Vireos, Chiffy, Goldfinch, Field Sparrow,
Indigo bird, Wood Pewee. In late P.M. heard
4 Song Sparrows scattered about in Knight's brook
meadow lands, all in full song. The Wood Thrush
in woods at rear of studio sang long & gloriously in
gathering evening twilight. Robins severely silent
and feeding mostly now in recently cleared mowing
fields as are Chippies, also. At least 25 House Swallows,
old & young, flying into & from Knight's barn or
perched on telegraph wires near it. Big, long-legged
Rabbit, apparently not a Cotton-tail, running at top speed,
with long, deer-like bounds, through meadow tall
grass at Mr. Intosh's. Blue Jays bellowing & Fire Birds
twinkling very numerous, after dark.

Spent most of day in room, writing letters.

In late P.M. walked, with Dan, to Mr. Intosh's
where we had usual pleasant chat & light refreshments
in sitting. Got acquainted and in places, at sunset
spent evening in studio with violin playing.

Ms. Miller arrived from New York at 5 P.M.

Glendale

Hamilton Jefferson wounded & in hospital at Rouen.
Ther Monday, July 24, 1916 Wea
85° most Barred Owl hooting at 1.45 a.m. Fair

Forenoon sunny; afternoon partly cloudy & densely hazy. Oppressively warm & humid all day but delightfully cool at evening when a light, refreshing east wind arose.

Red-eyed, Solitary & Yellow-throated Vireos, House Wren, Goldfinches, Chippies, Field Sparrows & Wood Pewee sang merrily on a low freely through the day but the Robin, the Hermit and the Wood Thrush remained silent even at noon & eve. Among pasture hemlocks close about Outlook & Magnolia & a Black Thr. Green Warblers were singing fitfully in late P.M. while the full song of a Song Sparrow came away now & then from the back swamp below when a Green Heron was also heard calling - and that of a House Wren from somewhere near the Warner's house.

In forenoon played Victrola for an hour in Dan, Sonia, Margaret & Mrs. Butler. Also worked on copying bird notes before & after luncheon. Dan & I went to pasture Outlook at 5 P.M. & spent more time in horse barn. At supper time received cable message from Galunpa stating Hamilton Jefferson wounded & now in hospital at Rouen. Talked with G. about it by telephone at 8.30. Spent evening on letter writing & meditation.

Glendale.

Ther Tuesday, July 25, 1916 Wea
80° Dull.

Cloudy, hazy, warm & humid with light southerly wind. Brisk showers in mid P.M. and steady, drizzling rain after dark.

Noted the same species of birds singing to-day as yesterday but they were heard less often and their voices seemed more listless. Only the Red-eyed Vireos kept it up early & late, with unabated vigor. One Wood Pewee holds out fairly well and one Wren's voice is as rich & gushing as ever although now used more & more sparingly. The Robins & other Thrushes have lapsed into almost total silence. The Indigo bird, Goldfinch & Field Sparrow still sing well but not freely, the Chippie almost as freely as ever but only listlessly. Of the woodland birds I now hear only the vireos and the Wood Pewee, with an occasional Tanager & now & then a Black Thr. Green Warbler.

Altogether the total daily volume of bird music has shrunk fully over half within the past week and there are now frequent prolonged periods of total silence in field, orchard & woods.

Day passed as usual. Played victrola in studio 10-30-11.30 a.m. Wrote letters & copied bird notes in chamber. Walked down path to Warner's with Dan at 5 P.M. Spent evening in pasture, talking

A Barred Owl awakened me at 1.45 a.m. He called whoops at least 20 times in rapid succession near the house and apparently in woods just behind the house.

Glendale.

Ther Wednesday, July 26, 1916 Wea
Stormy

Dark cloudy, densely misty & comparatively cool, although oppressively humid, with persistent drenching rain in forenoon and a steel heaven but brief respite in late P.M.

Stimulated, no doubt, by the relatively cool & mist-laden air coming out of the South coast many of our familiar birds sang at frequent intervals all day, almost if not quite as sweetly & fervently as a month ago. Among them were the Solitary & Red-eyed Vireos, the Song, Field & Chippy Sparrows, the Indigo bird & the Scarlet Tanager. The House Wren & the Wood Pewee also sang well, & the Great Horned Owl. The Wood Thrush at rear of Studio made the dripping woods ring with his rich contralto voice for a minute or more as twilight was deepening at evening. Shortly afterwards 2 Whippoorwill sang almost continuously for several minutes after off he Robin voice was heard.

Worked on notes copying through most of day & spent an hour with Dan in his field at Studio in late P.M. when he was working on his Lincoln. Dick Dana arrived at 5:30 & Mr. & Mrs. Ames French an hour later. We had an unusually sumptuous dinner & after it sat fast on piazza & then in studio, smoking & talking until past 11 & closed.

Glendale.

15 Ther Thursday, July 27, 1916 Wea
First Cicada. First nocturnal migrant. Fair

Partly cloudy and very hazy, yet sunny for most part and oppressively warm & humid up to 4 P.M. when the light wind shifted from southerly to easterly bringing refreshing coolness & increasing cloudiness at the close of an exceptionally trying day & week.

Most of the birds heard singing yesterday were no less freely & pleasingly vocal to-day while the Red-eyed & Solitary Vireos, the Chippy, the Field Sparrow & the Indigo bird, sang almost as freely as in early June. I heard the Wood Pewee only occasionally, however, and the House Wren but twice. A Wood Thrush at rear of Studio & a Hermit further off, sang continuously for several minutes in the dusky evening twilight after bats had appeared against the glowing western sky & the last Robin flown to roost. After dark night began we heard only the chirping of Field Crickets, the distant bellowing of Bullfrogs and the call thrice given, of some passing bird migrant flying southward. - Perhaps a veery although it did not sound quite like that. At bed time two dogs in hot pursuit of deer & fox crossed the lawn under moonlight making a deafening clamor. First Cicada flying this noon - very late for it to begin. Day passed as usual, playing bridge in the shade for an hour in forenoon, working on characters, visiting Dan in his studio in late P.M. Dick left us shortly after breakfast to preside over meeting of the Board of the 500th St. & to spend night there.

Glendale

Ther

Friday, July 28, 1916

Wear
Fine

Cloudless but densely hazy with fresh, cool easterly wind; altogether most comfortable day since 1914.

Despite this marked & rather abrupt change to dryer, cooler weather or perhaps because of it the total volume of bird music to-day was decidedly less than on any previous sunny day this far this summer even the Red-eyed Vireos & Chippies singing only occasionally & listlessly while there were prolonged periods of total silence on the part of all our local birds. Quite evidently this annual song period is fast nearing its end as indeed always happens about this date - more's the pity.

At noon Mrs. French called Dan & me from the Studio to see two Deer in the field west of the house. We watched them for at least 15 minutes as they fed slowly across it in their usual dainty manner, nibbling here & there at what like tufts of fresh clover & between bites stretching up their long necks to watch & listen for any sign of impending danger. Some of their poses were exquisitely beautiful & all their movements easy & graceful. Both were well-grown does in bright red summer coats. One had an almost hairless day & that of the other was but thinly fringed.

Mrs. French's afternoon tea hours very humbly attended. Upwards of 20 people came to it among them Miss Alice Long fellow with Mrs. Williams, Mrs. Susy Strong an old friend of Mr. & Mrs. Sawlow, Mr. & Mrs. Diamond, Mr. Croppinfield, Mrs. Hoffmann, a young French violinist & others. Dick & Dan rejoined us at 5 P.M. We spent evening in garden beside a big fountain.

Glendale

Ther

Saturday, July 29, 1916

Wear
Fair

Sunny all day but with sky obscured & all except near mountain ridges quite blotted out by dense, smoky haze. coming no one knew where. Early morn almost uncomfortably chilly. Mid-day hours just agreeably warm with light southerly breezes.

Even less bird music than yesterday with prolonged periods broken only by the occasional song of a Red-eye, an Indigo bird or a Chiffy. A Hermit & a Towhee singing steadily in mid P.M., however, and a Solitary Vireo at sunset. Wood Thrush & Robin severely silent.

Butterflies of all kinds continue very scarce.

I see no more than 2 or 3 day even the familiar Yellows, Clouded Sulphur & the whitish Cabbage Butterflies being few in numbers.

Dick & Dan went to Steelbridge in forenoon. I spent it in my chamber, writing. In early afternoon for three days forth for a walk through woods & fields just as in boyhood days, near Cambridge. Entering woodland behind Studio we crossed the little Brook beyond & emerged in Knight's pasture where a few Bark Swallows were still flitting over the meadow grass. Night we were still listening for almost an hour on a fine clear slope looking to the corner of a house & talking one old town. Then we crossed the larger brook & followed it down to the road finally reaching Mr. Detosh's place where we lingered long with it. Intimately acquainted, who entertained us as usual with song, strong water & coolies. Dick motored over to the Diamonds, with Mr. T. & Margaret after supper. Dan, Miss Bouymann (who arrived this P.M.) spent evening in Studio playing records.

Wood Thrush at rear of Studio & Hermit on crest of ridge. In high comparatively dry for 15 miles at San Jose.

Glendale.

Ther
80°

Sunday, July 30, 1916

Wea
Fair

Cloudless yet so densely smoky or hazy that the sun was scarce visible in the murky heavens and cast no shadow of tree or other object on earth. Warm & humid again but pleasantly cooling S. W. breeze.

Tanagers, Red-eyes, Field Sparrows and Song Sparrows, Indigo birds, Chippies & Hermit Thrush. Singing rather feebly through forenoon. During a three mile walk (11 A.M. - 1 P.M.) to & around Hager's Pond I heard no less than 5-6 Tanagers & as many Field Sparrows; also 3 Song Sparrows & 2 Indigo birds. The studio woods silent after sunset save for a few faint notes from a Wood Pewee.

Leaving the house at 11 A.M. in company with Dan, Dick & Miss Longman I enjoyed the walk above referred to most keenly. We went first around the eastern base of the mountain ridge through dense pasture green hummocks, ripe through mowing fields radiant with golden Rudbeckia flowers, then around the pond on its north side, thence homeward through young white pine woods where we found & admired hosts of brilliant colored mushrooms, beds of *Oenothera*, *Populus* in bloom, Indian pipe, umbellifers, ferns of various kinds & other attractive woodland vegetation. As we passed Knight's farm a swarm of Swallows were circling about it, some alighting on telegraph wires. As I turn toward my home I saw Dan & Mrs. French, Miss Longman & Dick Dana were on a long motor ride in afternoon. I read & wrote. We spent evening in piazza.

Glendale

Ther

Monday, July 31, 1916

Wea
Fair

80°, 9 A.M. 88°, 1 P.M. 82°, 7 P.M.

Oppressively hot & humid with light S. W. wind.

Sun shining dimly through dense smoky haze coming from great forest fires in Canada, the newspapers tell us to-day. It lifted just before sunset when, for a time, the landscape was flooded with strong saffron yellow light very like that of memorable Yellow Day many years ago. Now, as then, the greenest larvae looked strongly blueish & every thing had a weird appearance. Shortly after sunset the clouds changed to northerly & increased in strength as the night wore on bringing refreshing coolness & relief.

Red-eyes, Indigo birds & Chippies sang a little at wide intervals, through the day. A Solitary Vain sang well but briefly in late P.M. One House Wren uttered a single gushing note. These were literally all the bird songs I heard. No bird voices whatever broke the stillness of woods & fields as evening closed in on the heat stricken land.

Dick Dana & pretty little Louise Schaeffer departed at 8.15 A.M. Mr. & Mrs. Lamond & their friend Mrs. Mallory dined with us at 7.30. We spent evening in studio with basket playing. I wrote in forenoon & after luncheon. No work to-day.

Glendale.

Ther Tuesday, Aug. 1, 1916 Wea
66° at 8 a.m. Fine

Brilliantly clear & refreshingly cool with light northerly wind. Even the more distant mountain summits quite free from smoke or haze - for the first time of late.

Comparatively little bird music. Red-eye Vireos, Chippies, Indigo bird & Field Sparrows contributed most of it but even they sang only fitfully & hitherably in mid day hours. A Hermit in full song on crest of mountain ridge for upwards of an hour before & after sunset. Two Chippies sang rather vigorously in evening twilight.

Only 2 Robins, an adult pair, linger on our lawn. Kingbirds still feeding young in nest by Studio. The Goldfinches still circle high in air, with deep undulations accompanied by sweet mid-summer flight calls, but I have not heard one sing since July 27.

Spent most of day in Chamber visiting one Concord bird notes. Dan called me out (by our Meadow Lark whistle of boyhood days) at 5 P.M. when we climbed his mountain ridge to sit for upwards of an hour on the bench there. The air ~~was~~ almost headless & the view ~~intoxicating~~. The sweet notes of the Chimmies at Stone bridge came faintly to our ears as did that of birds singing at lower levels. A Hermit sang near us, & a Red-eye & a Starling came close about 100 yds. before blackbirds

Glendale.

Ther Wednesday, Aug. 2, 1916 Wea
64° at 8 a.m. Perfect

Clear & cool with fresh north-west wind changing to S.W. with renewed haze, in mid P.M.

Birds singing more freely than yesterday especially in early morning. Strolling along road at western base of ridge shortly after breakfast I heard a Tanager, a Hermit & a Starling. Throated Green Warbler in full song. Two Red-eyes & a Solitary sang freely near the house before & after this and one Throated Song Sparrow. A Chickadee uttered the Phoebe call repeatedly at 10 a.m. After that long intervals of silence broken only by the flight notes of Goldfinches galloping high in air. Total silence in late P.M. due, no doubt, to the strong southerly wind that blew with increasing violence towards sunset.

Spent most of day working on Concord bird notes. To hillside Studio at 5 P.M. when Dan called upon me on his Concord Station & we started for a walk through the pine grove pasture to the roadward. Very many of the white pines there, affected by a fresh outbreak of pine disease, have turned rusty red of late. We noted no birds save a few Chickadees. Evening spent in fables, everybody but me reading.

Glendale.

Ther

Thursday, Aug. 3, 1916

Wear
Fair

Forenoon sunny, afternoon cloudy.
Rather warm. Moderate southerly wind.

Few birds singing in early morning
and none whatever through most of day.
At least 3 different Hermit Thrushes sang
almost continuously on the mountain
ridge from 6 to 7 P.M. I heard no other
birds at evening except two Black & white
Crows, each of which gave the full song
once, and an Olive-bird that uttered
the flight song once, & a Red-eye that
sang freely & briefly. Quite evidently
the season of bird music has now
practically come to an end.

Spent most of day in room writing
but played bridge for an hour in
the studio where Dan was making
a bust of Miss Longman. He ceased
work at 5 P.M. after which he spent
almost two hours rambling about in the
humble pasture & sitting on its eastern slope.
Spent a silent evening in the parlor.

Glendale.

Ther

Friday, Aug. 4, 1916

80° max

Wear
Fine

Sunny but hazy. Very warm and
somewhat humid. Light S. W. wind.

Two Red-eyed Vireos singing freely & a
Solitary rephrasing in early morning; a Tanagers
in full song at 10 a.m. No bird music
whatever through mid-day hours. A Chipping
Trilling birdless and an Indigo bird chanting
fervently were the only birds heard towards
sunset - or after it. A flock of 30+ Swifts
circling high at 4 P.M. Eight dropped into
Studio chimney after sunset. We have heard
young chattering there for several days past.

Two Doves, both does, appeared in the
foetal west of house at 7.30 a.m. & were
seen by every member of the family save me.
One of them circled close about a cat crouched
on a rock, prancing & "blowing" loudly.

Spent most of day in room, writing.
Mrs. French's weekly reception less numerous
attended than usual. Miss Treckman came; also
Mr. Intosh bringing a framed album of mine.
Mr. Crockett dined with us at 7.30. When
I presented to him the French's paper that
Mr. Sherman gave me years ago. He promised me

at Selma. I shall go with me to Selma.

Glendale.

Ther
82°

Saturday, Aug. 5, 1916

Wea
Fair

Sunny but densely hazy, oppressively warm & humid, with light southeasterly breeze. Evening comfortably cool with fresh westerly breeze.

For hours in succession through the day no bird voice broke the stillness of the sultry, mist-laden air. At times, however, a Red-eye or a Chaffy would utter a few hoarse notes. In the early morning a Solitary Vireo was in full song for many minutes as were a Hermit & a Song Sparrow towards sunset. All insect sounds, save the occasional frying ones of Cicadas, seem to have ceased or not begun. Even the chirping of Field Crickets has not reached my ears of late. Butterflies of every kind continue scarce or wanting.

I worked in my room through the entire day and took only a short walk down the road at sunset. Dan & Mrs. F. left us at 8 a.m. to spend the night at the Mitchells in Gorman. We had at dinner, besides Miss Longman & Lawrence Fletcher, Mr. & Mrs. Leslie & Mr. & Mrs. Fowler.

Glendale.

Ther

Sunday, Aug. 6, 1916

Wea

86° First noc. flight of south bound migrants Fair

A duplicate of yesterday, with even higher temperature and more oppressive humidity.

Despite the weather conditions there was a marked and by no means inconsiderable resumption of full voiced & even protracted singing continued, moreover, from early morning through most of the forenoon & less fervently in afternoon also. The Red-eyed Solitary Vireo, the Tanager & the Chaffy took the most prominent parts in it. The Wood Pewee also sang well but not often.

The first nocturnal flight of south-bound migrants noted for this summer began about 8.30 P. M. and continued until 10.30 or later. During this period the faint hissing chirps of Warblers came almost ceaselessly to my ears every few seconds. Hence there must have been very many passing. I heard no Thrushes calling.

Spent day in & about house writing letters etc. Dan & Mrs. Fowler returned at 6 P.M. Several people called.

Glendale.

Ther 88° Monday, Aug. 7, 1916 Wea Fair.
 Cats exterminate Chipmunks but do not molest our birds, apparently.
 No break as yet in this protracted & very trying spell of sultry weather. The light southerly breeze seems a trifle cooler than yesterday, however, doubtless because the sun is shining only dimly through thin clouds & smoky haze. Heat & humidity intense in mid-afternoon. Evening comfortably cool with strong breeze.

Red-eyed & Solitary vireos Chipping & an Indigo bird singing rather freely & a Wood Pewee occasionally during early morning hours. House Wrens feeding second brood of young in box in apple tree behind Studio.
 Two cats, haunting the place at all hours, do not seem to molest or even alarm our nesting birds or their young but Chipmunks, very numerous a month ago have since totally disappeared & so have our two attraction little wild Rabbits!
 Indigo bird singing long & well at sunset.

Spent forenoon in room writing. Began again after luncheon but had to give it up because of heat prostration accompanied by nausea. Sat on Studio piazza after the evening spent in parlor.

Glendale

Ther 90° max. Tuesday, Aug. 8, 1916 Wea Mixed.

Forenoon sunny, intensely hot & humid, densely hazy, more trying than anything before this summer. Heavy thunder showers at noon. Within half an hour ther. fell from 90° to 78°. Afternoon dark cloudy & agreeably cool with occasional light showers.

Not much bird music but a few species singing rather freely, especially at early morn & towards evening, among them Red-eyed & Solitary Vireos, Tanager, Indigo bird & Chipping. Very few Cicadas here this summer. I hear only one or two daily. Bullfrogs no longer vocal. Tree Toad calling between showers.

My room too hot for occupancy, even after cooling shower. Spent much of day in Studio playing Victrola for Mrs. Ballet in forenoon, for Lane & Miss Longman - whose bust he has almost completed - in afternoon. In late P.M. packed my trunk & postmortem - a trying task for the room was stifling. We spent evening in parlor, very nice but me absorbed in books & newspapers.

Glendale - Cambridge

Ther Wednesday, Aug. 9, 1916 Wea Dull.

Forenoon cloudy & cool with strong north east wind. Afternoon rainy.

At Glendale, in early morning, heard a Solitary Vireo, a Wood Pewee & a Chiffy, all singing rather freely.

In our Cambridge Garden, in late P.M., heard a Goldfinch & saw a Chipping Swift. Percy says he has seen no Hummers this summer.

Left Glendale by 8.35 A.M. train.

Dan & Miss Longman accompanied me to station in the Dodge car. On reaching Pittsfield I had not long to wait for the 8.55 train for Boston. It proved to be a slow accommodation train without parlor car but I enjoyed the ride all the more on that account because having a better opportunity to see details of scenery, villages, wild flowers etc along the way. Purple Loosestrife blooming abundantly in marshy places & pond & river at Ashland. Wild Sunflowers and other Pinks were good through Worcester County. Chestnuts almost equally as many & entire way. Reached Boston at 2.15. Had hair cut at Harvard Square. Home by 3.30. Gorgeous welcome from "Jim"

Cambridge

Ther Thursday, Aug. 10, 1916 Wea Stormy

Lark cloudy with strong, chilly N.E. wind and almost incessant, but at no time very heavy, rain.

In Garden: 2 Red-eye singing feebly & briefly, 2 Jays screaming, a Phoebe calling, a few House Sparrows chattering, a single adult Robin running on the lawn. Foliage of trees & shrubbery exceedingly dense & luxuriant. Flowers water-soaked & forlorn looking.

Spent day in Museum writing letters & putting things in order. Dined with the Bartletts on Highland Street at 6.30 & sat with them afterwards in the parlor until 8.30 when Harry worked back with me staying half an hour to talk over the administration of G. Kenneth Jefferson fund. He decided to see Mr. Brown about it early next week.

Cambridge - Boston

Ther 59° min 69° max Friday, Aug. 11, 1916

Wear Fine

Clear & very cool with fresh northerly wind.

In Garden: 4 Robins (all adult) on front lawn; Flicker, Grackle, Swift & House Sparrows heard. Looked & listened in vain for migrant Warblers. They should be coming from further north and settling among our profuse leafage, by now.

To Boston at 10.30. Went direct to one office where I found Gallinger & Darling. Signed & swore to our First Annual Probate Account. Josephine Bates called about noon to discuss plans for getting her mother out of our house in Boston since I declined to meddle in the matter personally. Arthur took me to lunch at Youngs. Everyone says late Tuesday was one of the hottest trying days ever known in Boston.

Left office at 2 P.M. Called at Stems for August records and at Washington Store for under wear & two cheap outer suits for General House by 4 P.M. Picked up books in evening. Many of them good but no "gems"

Cambridge

16 Ther First Tree Chickadee First Migrant Warblers in Garden Saturday, Aug. 12, 1916 Wear Fine

Clear & just pleasantly warm with light westerly breeze

In Garden: Nashville Warbler chirping at intervals this day in jungle & appearing at sunset in outstanding Hawthorn & Cedar when I viewed him clearly. White Throats also heard by day in jungle & seen at evening by pond front of Museum. Besides these freshly arrived migrants I noted only the usual summer residents - several Robins (ad. & juv., Red-eye! ♂ singing freely), Goldfinch ♂ ad. ("galloping high in air with throat calling but no full song), Flicker, 2 Jays (screaming freely), Browned Grackle, Swifts (trillering overhead at evening).

One Ceeada heard through day. Tree Chickadee in nearly full cry after dark. One "chirped" a little, feebly, on evenings of 10th & 11th.

Garden Loaches fast repopulating our grounds now that they have the pond to breed in. Found a dozen or more of assheted species in cellar window area

to-day & with them a Frog. Hundreds of very small Toad tadpoles still in pond. About a dozen Frogs there.

Spent day in Museum writing letters in evening in den reading newspaper, mostly.

Cambridge.

Ther Sunday, Aug. 13, 1916 Wea
more migrants arrive. Mixed

Raining steadily from day break to 10 A.M.
After that alternating cloudiness & sunshin
with not infrequent brisk showers. Very
cool all day.

In Garden. During the entire forenoon
there came to my ears, through open Museum
windows, no bird voice save occasionally that
of a Robin, a Goldfinch, a Jay or a Flicker. But
on entering the jungle at 1 P.M. I found
assorted there, feeding busily & silently in
the tree tops or their upper branches, 5 Red eyes
(ad. & juv.), a Chestnut sided Warbler (♀ juv. in full
aut. pl. showing no chestnut) a Black & White Cuckoo
(juv. ♀), 3 Bal. Orioles (all young in aut. pl.) & a
King bird. There were also several Robins & the flight
call of a Bobolink coming from afar. A young
Robin running over turf near back piazza while I
was sitting there had a band of almost pure
white 2 or 3 inches broad across its back between
the shoulders & over its faintly spotted breast.
A single Swift at evening.

Spent day in Mus. writing letters & bird notes.
Walked up North St. at sunset. Austin White
is remodeling old Nichols house rather extensively.
I met there a Mr. Jacobs & his wife. He came back
with me to see our Riedel window pane.
Solitary evening passed in reading.

Cambridge.

Ther Monday, Aug. 14, 1916 Wea
54° min. 70° max. Superb

Typical autumn evening day, brilliantly
clear & bracingly cool with fresh, dry
N. W. wind.

In Garden: Nashville Warbler (juv. very tame),
2 or 3 ad. Robins (on lawn), 2 young Jays
(in pale ragged pl.) pair of ad. Goldfinches
(eating seeds of wild sun-flowers), young Oriole
(with Goldfinches on sun-flower heads and
apparently eating the seeds), Flicker (calling)
2 Swifts circling low in late P.M., several
Crows cawing lustily (as if snatching something,
possibly a Scratch Owl) in Hubbard Park
long after sunset & indeed where it was
almost dark I rarely if ever before have I
heard from any of them ^{such} an outcry so late
in the evening twilight).

Tree Crickets chilled by cold & chirping only
feebly & intermittently. Butterflies of various
species occurring rather plentifully about our
flowers. A big Swallow-Tail (turnus) there to-day.

My day spent happily. It was devoted partly
to writing out Concord bird notes, still more
largely to pruning trees & shrubbery - with perhaps
assistance & Jimmy's companionship, also.

Cambridge - Boston

First full chorus of Crickets

Ther

Tuesday, Aug. 15, 1916

Wea

Nighthawk peeping at us.

Fine

Clear & cool (less so than yesterday, however!) with light westerly wind.

In Garden: 4 Robins on lawn; Bal. Oriole in superb aut. pl. in jungle, 9 a.m.; Hummer (with white throat) at bee balm; Maryland Yellow-throat in lilacs & other shrubbery; unidentified Warbler feeding hickies & hickies high in tree tops; 2 Red-eyes in jungle; 4 Grackles on lawn & 12+ flying over at once; 4 House Sparrows under lindens; Flicker & Jay calling; Crows cawing; 2 Swifts circling low at sunset; unseen Nighthawk peeping scores of times, evidently on wing & not far off eastward, about 7 P.M. Sunset, first Crickets in full chorus first time this summer.

To Boston at 10 a.m. Met Harry Bartlett at 53 Devonshire St. where we arranged with Mr. Brown to send 100 L to day to Betty Jefferson from C's "Kenneth Fund." Spent 2 hours at our & did a little shopping. Home to lunch. Wrote letters & bird notes in P.M. Harry B. took me around Frank Pond & through Belmont 5-6 P.M. His Franklin car ran very smoothly, one rough track. Meadows look in full bloom. Charles & Mrs. Johnson & Frank Pond. Solitary, very early.

Cambridge - South Yarmouth

Ther

Wednesday, Aug. 16, 1916

Wea

Fine

Clear & very warm with fresh S.W. wind. Evening cool (at S. Yarmouth).

In Garden: 5 Robins eating rum cherries (not nearly ripe; in line by Museum gate; 3 young Orioles, ditto; 2 Titmice Black & White Creepers, 1 Red-eye, Flicker, Grackle, Swift, 2 Jays, 2 Crows (Hubbard Pk) several House Sparrows.

Wrote letters in forenoon. Lunch at 12.15. Took 1.33 Train for Cape. Vegetation of every kind wondrously green & luxuriant all the way. Only a few (less than a dozen) Terns flying along Ship canal when so many were congregated last year about this time. As our train was passing head of Barnstable marshes a flock of Blackbirds, apparently Red-wings & numbering thousands, rose and circled in a great, dusky cloud. Here, also, were seen on rising countless Barn Swallows, two small flocks of "Peeps", several Meadow Larks, a Green Heron & a young Marsh Hawk. Reached South Yarmouth (now Bass River) station at 4.35. Collins whistled me quickly to the Stones in his new Ford de luxe car. Alvin Stone & Miss Whiting (about Thayer's niece), gave me a pleasant welcome. Saw a few in harbor.

South Yarmouth

Ther

Thursday, Aug. 17, 1916

Wea
Perfect

Brilliantly clear, warm in sunny, shaded places, cool in all shaded ones exposed to fresh crisp easterly breeze; altogether rarely perfect day.

Spent most of forenoon in or near house, also in calling on the Frothinghams, Howes, Garg's, Miss Kitchidge & other neighbors dwelling along shores of Bass River. Song Sparrows singing steadily 6-10 a.m. on wave of wind-mill, no other bird in full song. Chippies flitting close about hands; Jays, Thrange willows in front of it; Hummers playing frequent visits to flower garden; a Swift careering overhead; Meadow Larks flying past; a few Terns circling high, with shrill cackling, over river & marsh.

With Mrs. Stone, Miss Whiting & Miss Susan Brandis, walked to Swan Pond, 4-6.30 P.M. Never before has it seemed to me quite so entrancingly serene & beautiful. Tree, shrub & herbaceous vegetation obviously more luxuriant than ever before & viewed to rare advantage through the pallid air & bright sunlight. Very many birds there, too. Terns circling & screaming, Laughing & Herring Gulls, many more & there in higher, Kingfishers, Green Herons & several Spotted Sandpeppers along shores near fish house. Lesser Woodpeckers, Black & White Ws., fairly plenty of Jays, Prairie Wrenblers, Wood Pewees, 2 Towhees, 1 Jay, etc. in few. crows close about. Clitellas, white-furred Corvids, Golden rods etc. in bloom. Miss Davis supposed some as 1/2 and many.

South Yarmouth.

Ther

Friday, Aug. 18, 1916

Wea
Fine

Sunny & warm with light, cool easterly breeze. Sky flecked with rose-tinted clouds at sunset.

Spent forenoon in or near house, at 4 P.M. went with Mrs. Stone to beach grounds by river to witness annual bridge sports. Very many villagers & summer residents there with their children, all intermingling in a happy throng & many taking part in races & other co-operation frolics of varied kinds. Climbing grassed pole most diverting & also hopelessly difficult at first.

Miss Whiting left us just after dinner & Miss Cumbe arrived by a late afternoon train. With the latter we sat up late in the parlor, talking of many things.

Only one bird, in marsh, not seen.

Only one bird, in marsh, not seen.

South Yarmouth - Cotuit Narrows.

Ther Saturday, Aug. 19, 1916 Wea
Perfect.

Clear & warm with light S.E. breeze.

To Haines & Long Ponds south Mrs. Stone
in forenoon (10-1). The former brine field
with its ordinarily broad grassy margin
submerged & blooming *Sabbatia* showing only
here & there above Dream-haunted shallows.
Oak woods very generally devastated by
Gypsy larvae and swarming almost everywhere
with ♀ moths laying eggs & ♂♂ engaged in
divisions among flights. Only a few Ant
lion pits in sand bank roadside colony.
At least 6 or 7 Wood Pewees heard mostly
in pitch pine Woods. Mixed flock including
Pine, Prairie, Black-throated Green Warblers,
Oven birds, Red eyes & Chipping, met with
near Long Pond.

Capt. Hall came for me in his new
Overland car at 3.15 bringing Mr. & Mrs.
Almy & Mary. We had a delightful ride
through Hyannis, Centerville & Osterville.
2 Carolina Doves in field at Parker River.
Called at the Doxtors' but Fannie's Minnie
were away & the house locked up. Reached
Cotuit Narrows about 5 P.M. Mary heard
Pewees singing near the

Cotuit Narrows.

Ther Sunday, Aug. 20, 1916 Wea
Perfect.

Cloudless with light easterly breeze.

Warm in sun, agreeably cool in shade.

Prodigious outcry of Great Blue Herons about
midnight & near at hand aroused me from
sound sleep. Several engaged in it uttering
squawking cries unfamiliar to my ears in any
past experience still remembered. Wood Pewees
sang freely at day break & later, Pine Warblers
a little now & then. Laughing Gulls & Common
Jacks heard over river. Several Crows over near
house, cawing in varied tones for half hour after sunrise.
Spent most of day in doors talking with

Mr. & Mrs. A., Mary, Nancy, Betty & Dr. Cott.
Dr. James Putnam & his son called. At 5 P.M.
Almy & I started for a walk along Pine Needle
Road. Oak woods here & elsewhere more
or less nearly stripped by Gypsy larvae.
Countless dead moths & very many nests.
Evidently all had laid for some time living.
Wood Pewees everywhere. We were scarce over
beyond sound of their plaintive voices. We
saw both saws or heard a Kingfisher, Sixty,
Maryland Yellowthroat, Catbird, Downy W.
Evening spent in living room, talking

Boston - Cambridge.

Ther Monday, Aug. 21, 1916 Wea
91° May. Fine

Clear & hot but not humid. Light
southerly to south-easterly breeze.

Long outcry of Great Blue Heron & grawks
of night Heron heard in middle of night.
Pine Warbler singing a little, brokenly, and
at least 2 Wood Peckers freely & well, shortly after
daybreak & later. Crows assembled close about
house soon after sunrise to carry on a
protracted conversational cawing even more
remarkable than that of yesterday morn &
quite without precedent in my past experience.

It was dead calm & decidedly warm
when I said good bye to the Almys at 9.30 a.m.
& started for West Barnstable with Capt. Hull.
We passed several flocks of Tern & Barn
Swallows on telegraph wires along the road.
Took 10.10 train for Boston reaching there
at 12.30 & going direct to one office where I
paid Darling, only. Lunched at Martin's &
came out to Cambridge about 3 P.M. Went
letters, had a short nap, dined alone on
board piazza, called on the Howes 7.30-9.
2 Robins one Canon, King bird heard in lindens.

Cambridge.

Ther Tuesday, Aug. 22, 1916 Wea
Charlie & Ned Read insane. Fine

Cloudless and very warm with
light southerly breeze.

In Garden 5 Robins, 2 Black & White
Creepers (♂ & ♀ in lilacs), a Water Thrush, a
Red-eyed Vireo (heard only), sev. House
Sparrows, a Baltimore Oriole ♂ ad. ♀, 2
Jays &, a King bird (perched on topmost
spray of elm in front of Almy house),
5 Swifts circling low at evening.

At the Merrill Wyman place, about
sunset. 5 ♂ & 1 Browned Grackles & 31 Robins
flew over the westward, doubtless toward
some more or less distant roost.

Countless Tree Cicadas chirping fast
& ceaselessly last night & this, recalling
summers long gone for tis many years
since I have heard them so numerously.
Cicadas shrilling all day long. Many
Butterflies about our flowers.

Harry Spelman at breakfast with me on
back piazza. Spent day in Museum
writing letters. Walked up Appleton & down
Shafter St. at sunset. Charlie & Ned Read
hopelessly insane. & sent to Waverly two weeks ago.

Cambridge-Concord-Cambridge

Ther Wednesday, Aug. 23, 1916 Wea
92° max. Fine

Clear & intensely hot with S.W. wind,
light at first, freshening through afternoon
dying away at evening, to be succeeded, at 7 P.M.,
by northerly wind & a cooling thunder shower.

In Garden: 5 Robins, 2 Jays, a Grackle,
a Goldfinch

Concord Farm: Several Robins, an Oriole juv.,
a Hummer do., a Cat bird, a Cedar bird,
a pair of ad. Goldfinches (♂ in full song), a
family party of House Wrens (in stone walls
along lane, ♂ singing a little, fully, ♀ a Chippy.
Swift heard scurrying in dining room floor
& shells of recent-hatched eggs in parlor
fireplace.

Harry Spelman at breakfast with me at 7.
Gilbert & I took 8.09 train Waverley to Concord.
McManus supplied us with horse-drawn
carriage. Reached Farm about 10 a.m.
Spent remainder of forenoon in or near house.
Crops flourishing, foliage most luxuriant,
garden flowers & mallows brown show, fall bearing
strawberries loaded with ripening fruit, Walked to
Rich Field after dinner & motored to Cambridge
3.15-4.30 P.M. Blazing hot in woods.
Dinner at the Fairchilds, with Cousin Edg., Sally
& Jack at 7 P.M. Home by 8.20.

Cambridge

Ther Thursday, Aug. 24, 1916 Wea
C. returns fr. Williamstown Dull.

Dark cloudy, foggy & cool with light
rain in early morning.

In Garden. 5 Robins, an Oven bird,
an adult ♂ Oriole in nearly full song,
a Jay uttering the song melody of musical
notes (at 4 P.M.), a Flicker calling, a
Swift flying low.

Free Crickets out in great force this
evening. Never before have I known
them more numerous. C. says they
began chirping at Williamstown on
the 15th the very same date when I
first heard them here in full chorus.

Spent most of day in Museum
working letters. In P.M. motored to
Porter's Station to meet C. who arrived
there at 8.51, from Williamstown.
She has returned because of increasing
dimness of sight & will consult
Dr. Inackeborn about it to-morrow.

I played all the August records to
her this evening & she tells the selection.

Cambridge

Ther Friday, Aug. 25, 1916 Wea
Golden-wing Warbler in Garden. Perfect

Incessant clear sunshine, light westerly breeze, just agreeably warm, low humidity

In Garden; 10+ Robins feeding on sum
cherries by Museum gate; Golden-wing Warbler,
Down-bird & several Orioles (one ad. ♂ singing
brokenly) in jungle; Black & White Cuckoo (♀ juv)
& 2 Jays in lilacs; 2 ad ♂♂ Goldfinches eating
wild sunflower seeds; Downy W. ♀ juv. hopped
H., in pear tree; Flicker & 4 Grackles on lawn.
Thrush. choruses Tree Crickets after night set in.
Toads (big ones) scattered along gravel walks
(three in sight at once) just after sunset.

Walking quietly along path through jungle about 9 a.m. I came suddenly on the Golden winged Warbler a young ♂ in fresh autumn plumage. very olivaceous above, with black throat somewhat obscured by grayish and bordered narrowly with yellow of which there was also a good deal on his flanks. All this was seen clearly as he hopped & flitted low down in a thicket within 20 feet of me for half a minute, after which he was seen no more. This is my first Garden record for this species, if I remember aright.

Spent part of day working in Mrs. Hart's yard
around the C. Stn. Saw Dr. Isaacson in
Boston this forenoon. He is not discussing
about his legs.

Cambridge.

Ther Saturday, Aug. 26, 1916 Wea
Fair

Sunny but hazy, almost windless, warm.

In Garden: About 15 Robins, young & old, feeding on rum cherries by Mrs., also on ground in jungle; Miniotitta ♀; Nashville Warbler, dull colored juv.; Black-holl juv. ant. pl.; Water Thrush; 2 Oven birds; 3 juv. Orioles; 2 Jays; Red-eyed birds, singing a little feebly; - all these keeping mostly in jungle but also flitting restlessly hither & thither about the entire garden; 2 Redstarts, a handsome ad ♂ & a ♀ together & apart from all other birds, in Birch Groove; Goldfinch ♂ ad at sunflowers; 4 Grackles on lawn & in trees; 2 House Sparrows; a Purple Finch, (♂) Cedar bird & a Swift (at eve), low on wing, the Cedar bird flying from rum cherry tree; 2 King birds perched on tree tops near Museum, calling; Crows heard afar off. One restless Warbler that chirped like a Junco & also looked like one kept too high in tree tops, among dense leafage, to be certainly identified.

Spent much of forenoon following all these birds about, spurs glow in hand. Water bottles & exposed notes in afternoon. Toward sunset strilled with C. esp. Appleton & down Sparks St. All these Bartlett called at 8 P.M. to head Com. Ave. etc. bottles ready for you

Cambridge.

Ther Sunday, Aug. 27, 1916. Wea
Great inroad of Robins & Orioles. Fair

Mostly sunny & very warm but clouds gathered in late P.M. & light rain fell after dark.

The Garden flooded with Robins & Orioles from 9 A.M. to almost noon. To count or even closely estimate their numbers proved hopeless for they overspread our entire grounds & were constantly flitting to & fro. Altogether there could not have been less than fifty of each species & may well have been twice as many. As I sat at breakfast on the back piazza they appeared by dozens in the sunny opening just outside & afterwards were met with even more numerous throughout the jungle while they swarmed for hours in the lumn cherry by the Museum gate, feasting its ripe fruit. Many of the Robins were adults but only one ad. ♂ Oriole was seen. Of other species I noted 2 Minutillas, a Nashville Warbler juv., an Oven bird, 5 Redeyes (one singing freely), a Water Thrush, a Flicker, 2 Jays, a King bird (heard), Cedar birds (heard), Crows (heard) & Starlings in elms, one singing long & rather pleasingly.

Spent forenoon in Garden & Museum, writing several letters. G. went to church at St. Pauls. She & I walked thru Hubbard Park & up South St. in late P.M., meeting Sally & Britton Corbett after supper.

Cambridge.

17 Ther Monday, Aug. 28, 1916 Wea
Stormy

Dark cloudy & cool with heavy thunder shower about 10 A.M. followed by almost incessant rain lasting until night.

In Garden: At least 30 or 40 Robins but only a few Orioles (certainly not more than half a dozen). Nor were there many other birds. Of the last mentioned, indeed, I noted only a Redstart juv. in ragged plumage, a ♀ Minutilla, 2 Jays, 4 Grackles & several Starlings one of which whistled, chirled & chattered by turns for many minutes in succession. I had hoped for a heavy flight of Warblers during the past week but no such movement has taken place or, at least, manifested itself here. Since my return to Cambridge on the 15th I would be interesting to know where the flock of Orioles present yesterday came from. Nearly all of them must have passed on southward last night.

Spent day partly in house, reaching to G., partly in Museum, copying Concord bird notes. At 5 P.M. called on the Fairchild's with aviator's letters which Sally read aloud & very effectively. Spent evening with G. reading near hearth & playing bridge.

An unseen Wood Pewee, evidently in our lindens, uttered its shrill song once at 11 A.M.

Cambridge.

Ther Tuesday, Aug. 29, 1916 Wea
C. goes back to Williamstown Perfect.

Brilliantly clear & moderately cool with light W. wind.

The Garden & its encompassing woods & thickets seemed to harbor only a few birds just after breakfast. Indeed I traversed all its divisions shaded by ways then without seeing anything more than 3 or 4 Robins, a couple of Jays, 3 ad ♂ Goldfinches among the white sunflowers, an Oven bird & a Redstart in the plumage, in the lilacs. Later in the forenoon the Robins increased to 10 or 12 & a Downy was heard. About 5 P.M. when the open space around the sun dial was filled with mellow light from the low westering sun half a dozen Swifts appeared over it & almost as many Orioles, one an ad ♂, flew back & forth across it alighting in tall, dense foliaged trees. There was also a young Magnolia Warbler whose rich yellow plumage showed conspicuously as he flitted in full sunlight for a moment at edge of lilacs.

Another Warbler, in Rich Green, looked & acted like a Canadian but could not certainly be identified as such.

C. left me at 10.30 to motor into Boston where she took 1 P.M. train for Williamstown.

I walked my Concord bird notes all day. Called at the Fairbanks 5.30 P.M. & later on Harry Spethorn in his garden.

Cambridge-Boston-Concord.

Ther Wednesday, Aug. 30, 1916 Wea
Fine

Clear with light southerly wind. Warm thorough day, very cool at 7.00 & over.

Garden well-nigh barren of birds. At 7 a.m. I went through all the patches without seeing or hearing anything but an Oven bird & 2 Swifts. An hour later 4 Robins appeared in the green cherry tree & 2 coal Goldfinches among the sunflowers which a ♀ Minioptila was seen in Hubbard P.

To Boston at 10.30. 100 or more Her. Gulls, mostly imm., bedded off bridge. Went direct to our office, attended meeting Greenfield Directors there (11.30-12.30) Lunched at Marston's & took 2.40 train to Concord where Gilbert met me. After reaching Farm I strolled about it with Jimmy. In Berry Pasture, towards sunset, saw or heard at least 10 Catbirds (5 together) a Crested Flycatcher, a Kingfisher at Pond, an ad ♂ Chestnut side Warbler in what looked like worn breeding plumage, a Mary Gold Yellowthroat & 5 Swifts flying. Saw S. King in air. Several emerald green, great stream of Phoebe & Titmice, big brown Striped for dragon

Concord (Farm)

Ther Thursday, Aug. 31, 1916 Wea Perfect.

Clear & warm with light S. W. breeze

Only a few birds noted - most of these near our house, 7-8 a.m., where & where a Crested Flycatcher, 2 Robins, 2 Cat-birds, a Nuthatch of each species, a Hairy & a Downy Woodpecker & a House Wren were seen and two Red-eyed Vireos heard singing rather continuously & loud. Shortly after this I heard a Thrush Vireo in Pulpit Rock woods where it was apparently the only bird as was also a Robin in Birch Field, in mid-afternoon. Two Indigo Bats & two Chipping in our corn field. A Kingfisher again perched at the Berry Pasture pond. Jimmy started a Partridge in the Run. Heard a Red Squirrel there but have not as yet seen a single Gray Squirrel anywhere.

Spent most of day in or near house copying Spring notes & weeding flower beds. Walked with Jim to Pulpit Rock at 8 a.m. to Birch Field at 4 p.m.

Concord (Farm & River)

Friday, Sept. 1, 1916 Wea Up Concord River by boat. Perfect.

Weather like that of yesterday but a trifle cooler with fresher, more westerly wind.

2 adult Robins on lawn, 2 Cat-birds eating elder berries in down yard, House Wren singing fastly in lane, King bird calling near barn, 2 Chipping & two Bluebirds in corn pasture, 3 Sharp-shin Hawk flying low over Run, 7 House Wren barn, Swifts heard in parlor & dining room these are evening. Canada Nuthatch, Puffin Woods 7 Kingfishers (3 together in two places), a Belted, a Night Heron & a Green Heron started along river banks between Ball's Hill & Platts Bridge. Black Duck flying low over Great Meadows, 10 a.m.

Crows only birds noted at Ball's Hill.

Motored to Ball's this a.m. Foliage there thinned in places but nowhere stripped, by gypsies. Leaves. Vigorous young Chestnut by cabin landing badly, infested by Chestnut disease here noted for first time on my land. Boat round me up to Concord (9.15-10 a.m.) in small Mullins boat which we left at Boat Club house for Dr. Clarence Blake to use. Great motoring as back. Practically all aquatic vegetation in river has perished & disappeared. Murkily, lead colored water from May mud probably accounts for it. No fish seen & hardly any insect life. A few small fish in rap. Walked about

Concord (Farm)

Ther

Saturday, Sept. 2, 1916

Wea

H. W. Henshaw arrives.

Time

Clear & cooler with rather fresh westerly wind.

Continued scarcity of local birds and almost total absence, apparently, of migrants from further north. At least eight Blue Jays screaming long & loud in the trees at 2 P.M., probably mobbing something there. They finally ceased the outcry & flew past me, one after another, to westward. Two Swifts flying high & straight southward at 8 a.m. I saw no others through day but after dark heard one rumbling in one part of the place & another in dining room place.

Spent forenoon close about house working with George, working flower beds etc. After noon dinner walked with Jim to the Spring via Pine Slopes. Henry Henshaw arrived soon after my return. We went with Jimmy to Birch Field just before sunset & spent evening talking in porch & playing backgammon.

Concord (Farm)

Ther

Sunday, Sept. 3, 1916

Wea

Young Tree Toads.

Glorious

Brilliantly clear & almost frostily cool with fresh N. W. wind.

Almost no birds seen or heard about farm to-day. In P.M. met with 4 Chickadees, 2 ♂ Canada Thrushes & an adult ♂ Red Start, in Birch Field with a Magnolia Warbler juv. & an adult ♀ Black-throated Green followed by a bob-tailed young bird still in first plumage which she fed repeatedly.

The little artificial pond encircling the big boulder in front of our house is swarming with frogs mostly *R. clamitans* of various sizes, one of which a Garter Snake was swallowing two days ago.

There are also at least a dozen young Tree Toads just changing from tadpole stage with short remnants of tails. All are almost wholly bright yellowish green in tint closely matching that of young lettuce leaves. Henry & I walked to Ritchie place in forenoon, to Davis Swamp in late afternoon. Spent rest of day in house talking

Concord (Farm)

Ther Monday, Sept. 4, 1916 Wea
~~Summer, Cape May, Prairie & Bay, Great Ws.~~ Fine

Clear & just agreeably warm with rather strong S. W. wind. Last night clear & cool.

Near house only 2 Cat birds feeding on elder berries & a Downy in dogyard elms.

In Pulpit Rock woods a small mixed flock including a young ♂ Bay Breasted, several D. virens (1 ad ♂), a Solitary Vireo (singing feebly), a Silver Headed Plover, a White Br. & a Canada Nuthatch.

In Birch Field at 11 A.M. a somewhat larger flock, feeding in tops of gray birches & among young white pines. These birds were tame & not restless, permitting me to identify every one of them positively.

There were a Tennessee Warbler, very green above, ashy white with no obvious tinge of yellow, beneath; 3 Cape May Warblers all in sleek, silky ant. pl., one strongly yellow on breast & probably a ♂ juv. the other two ♀♀ one of which was streaky, the other only faintly streaked beneath, on an ashy-white ground color; a Prairie Warbler in fresh ant. pl. with conspicuous blackish streaking beneath & looking like an ad. ♂, 2 Magnolia Ws., a young Black-jack, a ♀ Redstart, 8 Chickadees & a Can. Nuthatch. Walked to Birch Field at 11 A.M., meeting Henry, then returning fr. Berwyn. We went then again in late P.M. when Henry started with a brood of young Partridge. Glover & Mrs. Allen called about 4 P.M.

Concord (Farm)

Ther Tuesday, Sept. 5, 1916 Wea
 Dull.

Thin cloudy & cool with light N. E. wind.

The only birds noted near house were a Cat-bird in elder bushes, 2 Purple Finches & 6 Goldfinches on wing, a Hairy W. in lane, a young Hummer with yellow, hollow-stained crown at phlox in garden, a Great Blue Heron flying high, S.W., at 8 A.M.

In Pulpit Rock pine woods found a small mixed flock which included a Canada Nuthatch, a Downy Creeper, a ♂ juv. Minioptila, a Tennessee, a Black-jack & several D. virens (2 ad ♂♂) a ♀ Redstart & a Silver young Head Plover. 6 Robins & 2 Partridges finished in Birch Field, a flock of 20 Bobolinks (mostly) & a single Song migrating high over it at 9 A.M.

Spent most of day working with George in flower gardens at rear of house. Walked to Birch Field with Jimmy at 9 A.M. Henry & Elsie went to Wellesley to see his sister in lawman & went to Berkens field to practice golf in afternoon. Rifer Jaegers, Strawberries & Raspberries were

(13) Started 3 o'clock, going up night, S. W. Faded over orchard at 5 o'clock. Cool down. Humming.

Concord (Farm)

Ther Wednesday, Sept. 6, 1916 Wea
Flock of Cape May Warblers. Stormy

Dark cloudy & somewhat foggy. Raining all forenoon, at times heavily. One brisk shower in P.M. Light N.E. wind rather warm. Shortly after breakfast met with a flock of Cape May Warblers in our lane. First noticed them in an apple tree where six were seen at once, five together on one low branch. Others flitting about further off at same time. Perhaps as many as 10 or 12 in all. An Oven bird & a Red eye V. the only other birds then south or near them. I saw, certainly, only 2 ♂♂, one juv., the other a very handsome adult. They all flitted before me along lane (lingering oftenest in its red cedars), & our doorway and where they remained more than an hour in clus, locusts etc. Found them, in apple orchard behind house at 3 P.M. With these there were a ♀ Redstart, 2 D. orioles & a Red eye V. feeding young and bird. Four Cat birds & a Grosbeak thrushes spent entire day in elder bushes near bird bath, flitting on their eye fruit. The Thrush, however, perched off the berries while on wing like a Trogon. He was found in late P.M. by a large typical Allen's Thrush whom he repeatedly drove away. A Flicker also came to a lot of the elder berries.

Spent most of day in house with Henry. Walked to Birch Field River. A Golden-crowned W. & 3 Canada Nuthatches there. Two Cat birds only birds seen in Berry Par. (4 P.M.)

Concord (Farm, River & Ball's Hill)

Many birds seen along river. Gr. Blue Herons
Ther Thursday, Sept. 7, 1916 Wea
Wood & Black Ducks, Goshawks etc. Mixed.

Early morn. cloudy & densely foggy. Forenoon & afternoon partly sunny partly cloudy. Calm & very sultry. Light shower in late P.M. Cedars "frying" everywhere all day long. Another sunset after dark, was hazy.

Leaving Farm at 8.45 A.M., Henry & I motored to Concord where we rowed down river to Ball's Hill (9-11 A.M.). During this trip we saw a surprising number & variety of large & interesting birds, including 8 Black Ducks, flushed from "Hunters Pond" & 3 Wood Ducks from cypress sph. Ball's Hill; a large cove of Goshawks, flying over "Hunters Pond"; 2 Red-shouldered Hawks, soaring & screaming wildly over Great Meadows; 3 Great Blue Herons (one ad, two young) and 3 Green Herons, all of which rose from the river banks & most of which were seen glomping their before they flew; 2 Night Herons, both im., started from cypress trees just above the Holt; a Solitary Sandpiper; 5 Kingfishers, scattered singly. Only a few small birds including 2 House Wrens - nothing of interest in woods at Ball's Hill. Five ad & 3 Red. Orioles in Forsy. trees thickly, front of farm house, & a large mixed flock in "Hunters Pond" at noon included 3 ad ♂♂ & 1 ♀ pl. Redstarts, a juv. Chestnut-sided W. several D. orioles, 2 Red-eyes, 6 or 8 Chickadees. One after Gray Squirrels at 4 P.M. Saw only one & flushed to get home.

The Cape May seemed singular for Warblers & were mostly silent. Very black & heavily birds.

Concord (Farm) - Carlisle.

Ther

Friday, Sept. 8, 1916

Wear
Fine

Hot, humid, well-nigh windless. Altogether a very trying day, scarce less so indeed than the worst of those during the past exceptionally warm & sultry summer. Evening cooler with distant thunder.

Comparatively few birds about our farm house. Five Cat birds eating elder berries, several Goldfinches, old & young, calling among dew flowers at head of lawn. "Jimmy" & I went to Pulpit Rock woods about 10 A.M. The only bird I saw or heard there was an adult ♂ Scarlet Tanager flitting listlessly through dead brown branches of a pine, in full sunlight. Altho in apparently almost completed, fresh autumnal plumage he had a broad patch of scarlet on either side of breast opposite shoulders & a smother one on abdomen. While elsewhere save for jet black wings & tail he was colored Canary yellow, deepest on back but nearer approaching the usual forest green. I have one or two Spring ♂♂ similarly colored but do not recall one being such a bird in autumnal plumage before.

Spent most of day in home working. Henry & I motored in Lake Umbagog, to Carlisle where I saw Jeph. We also called on Dickson but he had gone to Boston. Six young Partridges seen in wood side at Carroll.

Concord (Farm)

Heavy flight of Black-jack Warblers.

Ther

Saturday, Sept. 9, 1916

Wear

Cape May juv. ♀, Blackburnian do. Fine

Brilliantly clear with breeze, cool N.W. wind.

Very many Warblers close about our house at 7 A.M. They were so restless & kept so high in tall elms & other trees that I failed to identify any of them before all departed. Two hours later I met with what may have been the same flock, in Pulpit Rock woods. It comprised upwards of 50 birds at least 40 of which were Black-jacks. Besides these I certainly recognized half a dozen D. berms, one Bay-breast (♀ juv. showing no bay on flanks), a Cape May (♀ juv. very pale & dull colored, with obscure dark streaking on under parts), a Blackburnian (♀ juv. without yellow on throat & almost uniformly grayish white beneath) a ♀ Minioptila, a ♂ juv. Magnolia Warbler & a Reinhold Cuckoo. All these birds fed mostly in white pines. They were not restless & in the clear pine sunlight I identified almost all of them without much difficulty. Only a few Black-jacks in Peach Field & the run. 3 Cat birds & 2 Goldfinches about our dairy out.

Spent most of A.M. with the Warbler flock. Mr. & Mrs. Darling called in mid P.M. Henry motored to Concord for a game of golf with Dexter & brought him back to sleep with us.

Concord (Farm)

Ther Sunday, Sept. 10, 1916 Wea
Large flock of Partridges. Perfect.

Brilliantly clear with light easterly wind. Cool at morning & eve, warm through mid day hours.

No signs of any autumn coloring as yet.

Very few small birds & almost no migrating ones. 2 Black-jacks the only Warblers obviously coming from further north. A Screech Owl circling low & Bobolinks heard twice 8-9 A.M.

A Sparrow hawk flying high S. at 4 P.M.

Shortly after breakfast Henry & I were strolling along wood road on south side of run near Pulpit Rock when "Tim" flushed at least 18 Partridges, mostly young about 2/3 grown, from within a brush grown area only a few yards square. A dozen or more birds rose all at once like so many hail. The others followed singly in quick succession. At 4 P.M. we started 7 or 8 in nearly the same place.

Except for these two walks we spent most of day in house reading & talking. No calls.

Concord (Farm)

Ther Monday, Sept. 11, 1916 Wea
Almost no migrants passing. Superb.

Brilliantly clear with little or no wind save every now & then a light breeze from eastward. Very cool (almost frosty) over night & again this evening but agreeably warm - with Cicadas "frying" - through day. Many field crickets crawling by day & a few tree crickets at night. No autumnal calling of Hylas as yet. Glorious light from nearly full moon shining in cloudless sky last night & this.

Despite such perfect autumnal weather & calm, cool, moonlit nights especially favorable in every respect for migration of small woodland birds I have failed to hear any of their passing overhead since the night of the 5th when very many were flying S. toward about 10 P.M. There were, almost none to be found in our woods yesterday & no more to-day when I noted only 2 Black-jacks & nothing else likely to have come from the northward save a ♀ House- Wrened Grackle.

Early started to Wellbury in forenoon when Jimmy & I spent two hours in the woods looking for anything of much interest. Henry & I were out with him again in late P.M. when he took a "gray" in walks by spring & I shot it. Found 2 porcupine damaged bushes near Pulpit Rock.

Concord (Farm & Ball's Hill)

Ther Tuesday, Sept. 12, 1916 Wea
Migrants from N. scarcer than ever. Fine

Clear & warm with fresh southerly breeze. Grass drenched with dew over night, lasting through day, also, in well shaded places.

Almost no small birds & literally not one obviously from further north, to be found at our Farm or in its bordering woodlands. First juncos of the season flushed from Benson's asparagus bed. 8 or 10 Chickadees in birches oaks & pines at rear of Ball's Hill were accompanied by an House Wren & juv, a young Blackpoll & 2 D. virens. Two or three Warblers, perhaps the same as those just mentioned, heard chirping near cabin later in day. At 9 a.m. a Great Blue Heron flew low over Pine Park, from 11.30 to 12 there was one perched in a dead oak across the river, at 12.30 one flew up stream past cabin, only a yard or two above the water. Kingfisher & alling near cabin & Red. should have seen some one Great Woodcock. Spent most of day at Ball's Hill, dined there. Bushbuck & George capted away a lot of driftwood & other rubbish. Walked down with Henry & made back in wagon

Concord (Farm)

Samuel. Henshaw & Ostrum Bangs & in. Deter, call.
18 Ther Wednesday, Sept. 13, 1916 Wea
Another flight of migrants from N. Perfect

Clear & warmer still. Light S.W. wind.

Warblers & other small birds coming from regions further north appeared here rather numerous today not in large flocks but scattered about in small ones or singly, almost everywhere. A Wilson's Black-cap (& juv) flitting about in Torrey's thicket in front of house (at 7 a.m.), a ♀ Cape May, a Canadian Warbler & a ♀ juv House Wren, a young Myrtle Warbler in first plumage (dark streaked so thickly & profusely that it looked very like a Pine Siskin), several Blackpolls & D. virens, a Towhee, a Heron, Thrush & a Tanagra, eight or more Chickadees & a couple of Robins were all seen in Birch Field where the Warblers were feeding mostly in gray beeches, the Cape May, however, keeping chiefly in pine pines. Great Blue Heron fly very over our apple orchard just above tree tops, 9 a.m. Henry went to Boston this morning. - Jimmy & I to Great Field where I found an house or more & identify my Warblers. The whole D. after fairly came down at 2.30 P.M. We went to Birch Field. Sam Henshaw & Ostrum Bangs found us there at 3.30, Henry about 4. They stayed until 6.30

Concord (Farm)

Ther

Thursday, Sept. 14, 1916

Wea
Perfect.

Clear, calm, intensely warm but not
over humid; altogether a rarely beautiful
day of mid-summer type, with Cicadas
emphasizing the fact by ceaseless shrilling.
Heard autumnal calling of Pickering's Wren
for first time this year.

Only a few migrants from further north (I heard many passing over at 10 P. M. last night) and these scattered widely either singly or no more than half a dozen together. In Birch Field & feeding in gray birches, doubtless in Cephaelis (not numerous this autumn) were 3 young Rosea Warblers with 2 yellow wings & several Chickadees; in Run near Palfre R. were 4 or 5 Black jacks, a ♀ Black-throated Blue & 2 unidentified Thrushes that looked like Chim. Saxis in general of house & junco, a Pied-bird, 2 Cat birds & a very young Heron with feeble flight who came to an aster blossom over which George & I were busily busy (and I perched there for half a minute with me 6 inches of Legumes leaves. A Marsh Hawk & a Sharp-shin & a Swamp sparrow over open in front of garden. Spent most of day in or near Run. Henry & I walked to Birch Field 8.30-9.30 AM & returned to get the gate in P.M.

Boncor d (Farm,

Ther

Friday, Sept. 15, 1916

A Deer in front of Bangalore.

Wea
Ramy

Mostly dark cloudy with strong S. W.
wind and exceedingly heavy showers
following one another in endless succession
at brief intervals. Few of them lasted more
than half an hour except towards sunset
when there was continuous downpour for
upwards of an hour. Altogether a rather
gloomy and also uncomfortable day for
the air was oppressively warm & humid.

Very few birds within sight or hearing of our house, in or near which I spent most of day. One or two Catbirds moving in the Forsythia thickets, a Song Sparrow at the bird bath, a Grasshopper chickling in early morning & a downy Crow flying westward in straggling order at evening, as if towards some roosting place. Jimmy & I visited Pine Park & the Run just after breakfast without finding anything there, or along the bank save two or three White-throats & one unseen Warbler that chirped like a Black-poll.

Henry & Gilbert gone all day motoring to Combs' & Welling. Mrs. Breakeke sees a yearling buck by the well creek in front of Breakeke's at 6 a.m.

Concord (Farm)

Ther Saturday, Sept. 16, 1916 Wea
Warblers mig. at 6 P. M. Fair

Partly cloudy, mostly sunny. Cool northerly
wind but very warm when it did not reach.

Only a very few birds. In Birch field
4 Black-polls, a Bay breast (juv. ♂ showing a
little chestnut on flank), and an Owl bird
(heavily streaked breast) together in one place
among gray birches, 3 D. Vireos in another,
a Brown Creeper, a Canada Nuthatch, Purple
Finch (hd), Cedar bird (hd), Partridge (faded).
In Cedar Park several Warblers heard
chirping (like Black-polls) and a juv. ♂
Redstart (larger than ♀ with more & richer
yellow) seen. Noisy jays seen or
heard in very many places, several
engaged in breaking off & dropping acorns
in large white oak near Bengatons.

Close about house noted only a Swift
flying low north at 8 a.m., a tailless young
Cat bird, and a ♀ White-bell Nuthatch which
at 2 P.M. entered woodpecker hole in elm by our
wood shed removing therein several minutes.
Walked to Birch field with Henry at 9 a.m.
& again at 4 P.M. Spent most of day
walking near house, transcribing journal,
melting strawberry (ball breaking) berries with
peach madder etc. Then walking after.

Concord (Farm & Ball's Hill)

Ther Sunday, Sept. 17, 1916 Wea
Perfect.

Cloudless with light, cool easterly to southerly
breeze. Delicately warm (an autumnal,
rather than summer-like, warmth) through
most of day but almost frostily cold last night.

Rather many birds so widely scattered that
not many could be found in any one place.
A young ♂ Cape May Warbler with entire under
parts dull yellow obscurely streaked with dusky
in very same cluster of white pines in Birch field
where ♀ was seen on 13th. This bird distinctly
tawny & shaggy. 4 Yellow-crooks with it & a
dozen or more others noted elsewhere. Only 1
Black-poll. 2 D. Vireos. 4 Canada Nuthatches, 3
of them together cackling from birds on Pine Hill.
Together, 2 Cat birds, 4 Chiffins, several
White-throats & a Red-eye in the hills bordering
dooryard at 7 a.m. Silent Phoebe in beech
front of house at 8 a.m., another in full continuous
song in Hower's meadow at noon.
Fish Hawk flying low south of meadow & so
very high in air it looked no bigger than Swallow
jays circling, screaming in easterly. Counted
37 Snow Frogs in pond in day yard.
Henry & I walked to Ball's Hill via Davis Hill
& back via Holden Hill, 9-12 and
Automobile party, pulling cold geese in
Heavy Fog. In P.M. saw them from house & then
Stark Point & F. Beehive Capt. at 5 P.M.
staying about an hour.

Thurs. & Partridge at noon from lilacs at rear of house within 8 ft.

Concord (Farm)

Ther. Monday, Sept. 18, 1916 Wea.
Flock of Carolina Doves. Time

Sunny & warm with light S.W. breeze.
Clouds gathering at sunset & brisk
thunder shower at 8 P.M.

Not many south-bound migrants. A
small flock of them feeding in gray birches
at sunset, in Birch Field, included 5 or 6
Yellow-rumps, 3 Black-bills, 2 D. Vireos &
a Redstart in ♀ plumage.

Flushed 10 Carolina Doves from a sandy
open knoll in Birch Field at 9 A.M.

Eight of them rose together from a spot
only a few yards square, like so many ducks,
for which I mistook them at first as their
wing made a loud whirring sound but this
was quickly succeeded by their usual delivery
whistle. The other two birds rose apart from
the rest, a second later. All went off
towards Green Field, two returning after a while.

One with Jimmy & the 20-g. gun at 8
A.M. & 4 P.M. On each occasion he tried
a Gray Squirrel and 2 that is - to his
intense joy, of course. Gray-bills seen
but landing and entering soon thereafter.
Wrens thrashing on their meadows in early
morn. Grasshopper on Saturday. Big
strawberry & sugar. Saw about 1/2 dozen in house -
mostly letters. Gilbert went to Concord, Henry to Concord

Concord (Farm)

Ther. Tuesday, Sept. 19, 1916 Wea.
Time

Cloudless with light N.W. wind. Rather
warm through day; cool at evening.

About farm house only a few birds - one
Catbird (juv.), then 7-lickers together in oak,
a W.-bellied Nuthatch & a Brown Creeper in
elms, a White-throat calling in laurel, seven
Crows on wing, a ♂ Sharp-shin Hawk
flying high westward at noon, Jays
screaming in & near.

Ranging about through Birch Field &
Pulpit Rock woods was a mixed flock
comprising about 30 birds & including,
besides Chickadees & a Canada Nuthatch,
8 or 10 Yellow-rumps, 4 or 5 Black-bills,
what looked like a juv. ♂ Bay-breast,
a Minutella (♂ juv.), a Redstart in ♀
plumage. Heard a Towhee there at
sunset.

Gilbert returned from Cambridge
in forenoon. He mistook Henry to
Wobesley in afternoon. Jimmy & I
visited Birch Field twice 9-10 A.M.,
4-5 P.M. Pat & Harris called in
forenoon.

Concord (Farm)

Ther Wednesday, Sept. 20, 1916 Wea
Fine

Clear & warm with high westerly wind. Almost frostily cool last night.

Marked scarcity of passerip migrants. Those met with scattered widely. They included several Yellow-rumps, 2 or 3 Black-polls, a Magnolia Warbler (heard in Birch Field), a Minster (on elm trunk in dooryard), 4 Juncos, 7 White-throats.

About 8 A.M. a ♂ Sharp-shinned Hawk skinned low past me in Birch Field.

Shortly afterwards I was standing motionless in a little opening when a young bird of same sex, presumably self, came in, alighted in a birch about on a level with my face & within 8 ft. of me. I shot but missed him when, a moment later, he dashed off through the trees. Saw a ♀ Sharp-shin circling over him & shot a Gray Squirrel in tall oak, on way back to farm house.

Flushed an old Cock Partridge in Birch Field & a brood of 8 or 10 small young, young in Big Pasture. Two Towhees near Birch shed. Two Catbirds in room where birds abate in shed left. H. must have entered it by a narrow opening over door, as the birds do.

To Birch Field again, with Henry at 4 P.M. almost no birds flying. Country flooded with jays in forenoon. First owl called at 3 A.M.

Concord (Farm)

Ther Thursday, Sept. 21, 1916 Wea
Only one bat left in shed left Perfect.

Cloudless, warm, light S.W. wind.

Yellow Butterflies (Clouded Sulphurs) by scores in every grass field spangled with hawkweed blossoms. Tree Crickets chirping all day long in dimly shaded places & everywhere at nightfall.

Heavy firing on river meadows distinctly heard at Farm & lasting from sunrise to 9 A.M. many darker reports. This strong presumption evidence that Snipe were there in considerable numbers.

A good mixed flock of small birds in Piney Thicket at 7 A.M. Henry & I shot a Cowbird, a Catbird & 5 White-throats. I saw a Phoebe, a Cuckoo (C. v. l.), & 4 Goldfinches, a little later.

Beating Birch Field at 8.30 A.M. I found it almost devoid of bird life but when Henry & I went there at 4 P.M. we encountered a mixed flock of about 20 birds including 4 or 5 Yellow-rumps, 3 or 4 Black-polls, an House Wren, Chickadee, Cowbird, Redstart etc.

Spent most of day in forest of hemlock where Harris has trap & trap dug a brush around pond. It developed 4 tracks. Henry went to Cambridge & Boston tomorrow 4 P.M.

Concord (Farm)

Ther Friday, Sept. 22, 1916 Wea
Winter Wren. Fine

Early morn calm, cloudy & foggy.
Sunny & warm with light southerly
wind through remainder of day.

Very few birds & then mostly in
thickets close to house where I noted
a dozen or more White-throats, 3 Towhees
& 2 Indigo birds in brown plumage.

During a morning (8-9 a.m.) walk, with
Tracy, to Birch Field I found the
woods almost lifeless save for the
presence of American jays, screaming
incessantly, far & near. Henry & I had
much the same experience in late P.M.
when, however, we heard a Winter Wren's
tic-tic notes repeated many times in
the Run. At its head, close to the road,
an old cock Partridge drummed at
regular, normal intervals 4-4:30 P.M.

Spent most of day superintending
men working at renovation of little pond
in front of lawn. Picked 2 quarts of
strawberries & also some peaches & plums, to
send to Lancaster to mother.

Henry returned to Wrentham in A.M.

Concord (Farm)

Ther Saturday, Sept. 23, 1916 Wea
Fair

Early morning sunny with cool east
wind. Most of forenoon cloudy with a
light sprinkle of rain. Afternoon clear
and very warm with fresh S.W. wind.

Still fewer birds. In thickets about our
dooryard 2 young Catbirds, 2 Towhees &
7 or 8 White-throated Sparrows spent the
entire day. Very many Blue jays screaming,
especially at noon & eve. They visited
our Stanching Barn & some of the larger
oaks near foot of lawn, at frequent
intervals. There was also at least one
Rusty Blackbird in or near the Barn.
I neither saw nor heard a Screech
of any kind.

Spent most of day close about our
house where Harris & his helper worked.
Through forenoon & Group until 5 P.M.
Gilbert returned to Lancaster in A.M.

Taking apples, peaches, plums & 2 quarts of
strawberries to C. Tracy's home with him.
Henry went to Cambridge returning at 4 P.M.
with Norton. The latter walked about the Farm
& its woodlands with me in late P.M.

Concord (Farm)

Ther Sunday, Sept. 24, 1916
50° Partridge killed by Fox.

Wear Fair

Clear & cool with fresh N. W. wind. Astors about at their best. Golden Rod mostly past its prime. Poison ivy reddening fast. Only a few maple leaves turned as yet.

Almost no birds. 2 Cat birds & 3 White Throats in front of house, 2 Robins in lane, 2 Towhees by bird bath, 6+ Yellow-rumps, a Towhee, a Junco & a Hairy W. in Birch T. Started an old cock Partridge there & another in Berry Pasture. In latter at foot of young white pine found remains of young hen Partridge which a Fox had evidently caught, devoured by night when she was roosting low in the pine. Just beneath it were many of her body feathers, both legs with thigh bones & adjoining flesh which, whole as whole young survived near body, lay a few yards off. The entrails lay beside one of the legs. I have never before known a Fox to leave all these remains of any bird. In Birch Field as in lane in afternoon, through Berry Pasture with Hairy & Towhee late in afternoon, others as other hours.

Concord (Farm)

Ther Monday, Sept. 25, 1916

Wear Fair

Sunny & cloudy by turns. High, cold northerly wind. Warm in sheltered places through most of day.

Poison ivy foliage ablaze on many an old stone wall. Maples still summer-like in general aspect but a few sprays reddening.

Mixed flock of about 30 small birds, evidently freshly arrived from further north, feeding in tops of gray birches & among outer branches of large oaks bordering on Cedar Park, at 8.30 A.M. Watched them for many minutes positively identifying Cape May Warbler, ♂ ad, very yellow over entire under parts with conspicuous dark (blackish) streaking on breast & sides (a handsome bird rather more active than most); 2 House Wren, ♂ & juv; 1 Black-poll, ♂ or 10 Yellow-rumps; Scarlet Tanager ♂ ad, jet black wings & tail, rich yellow beneath, red scarlet feathers. Showing song, certainly. Resident in Birch Field several Yellow-rumps, a Canada Warbler, a Purple Finch, singing freely but persistently, a Bobolink heard calling but uncommon. Near house, a Song Sparrow, 2 Cat-birds, 2 Robins, 12 Chaffers, a House Wren. In Birch Field about at 8.30 A.M. & again with Hairy at 4 P.M. Spent much of day in house mostly alone.

Concord (Farm)

Thursday, Sept. 28, 1916

Wea
Perfect.

Brilliantly clear with strong S.W. wind.
Almost as summerish as yesterday
but less warm & much less humid.

Two mixed flocks in Birch Field, both
mostly made up of Yellow-rumps. One
included, also, 2 House Wrens, 5 or 6
D. virens, several Black-jacks & Chickadees,
a Ruby-crown Kinglet & one or two
juncos. As Henry & I were watching these
birds (at 9.30 a.m.) three Red-shouldered
Hawks (one ad. 2 juvs), that had been
screaming long & loud in oaks near the
Spring, came soaring over us in company,
displaying all manner of graceful curves &
other evolutions. One passed low enough to have
been brought down with a chop of Henry's bat.
2 Cat-birds & a Cowbird mob of probably
birds frequent our dooryard shrubbery all day.
A night hawk & passed high overhead at
sunset meandering towards south-west.

Desk Dana left us at 9 a.m. Henry
went to Barnard's pasture a little later. I
accompany him as far as North Field.
We visit a again in late P.M.
I spent most of day with men at work on
fence & from birds in front of house

Concord - Boston

Friday, Sept. 29, 1916

Wea

19 Ther
79°

Clear & very warm with fresh
south-west wind.

Henry & I went to Boston by 8.07
a.m. train returning by 2.40 P.M.
train. The woodland along our
route was blazing with vivid autumnal
coloring in many places especially
where maple swamps stretched far
& wide. I spent most of forenoon
in our office, signing a lot of
quarterly botanical cheques, writing a
few letters etc. I also visited
Follen, Fish & Rawson's to order
bulbs for winter forcing of which
some \$45. worth were selected.
Also had my hair cut. Henry &
I dined at Marston's. Saw Arthur
at office. He starts for Maine wood
soon. I left with Henry & me at
Concord, Jimmy with him on front
seat of car as usual. Harris, his
helpful & Japhet accompanying under spring of house

Concord (Farm)
Mr. & Mrs. Robbins

Ther

Saturday, Sept. 30, 1916

Wea

Aurora borealis

Fine

Brilliantly clear with strong N.W. wind. Cool through day, almost frosty by 8 P.M. when the northern sky was ablaze with the search-light rays of the finest display of Aurora borealis I have ever witnessed in this latitude.

Bird Field teeming with Yellow rumps at 9 a.m. Not less than 30 of them there, mostly in two flocks. Not nearly so many in mid-afternoon. With them we saw a juv. Chestnut-sided Warbler, at least 4 Blackpolls & 3 or 4 D. virens. In our dooryard or along the neighboring lane were 4 or 5 Robins, twice as many White-throats, a Phoebe, a Towhee, a Cat-bird & a Swainson Thrush. Saw another Swainson & a large typical Alcibi in Bird Field. In Cedar Park found where a Hawk had descended once of my white Homer Pigeons leaving only a pile of its feathers & the upper part of a skull minus the eyes but with part of cere & a broken outstretched. A house full of feathers scattered where bird had apparently kept here brought down under the tree near Peach Orchard. It was doubtless struck first when on wing. Spent most of day superintending work of men in front of house. Henry getting on. Robins in a.W. & N.E. outside. Bird Field from Mr. & Mrs. A. C. Robbins there saw a Warbler about 8.30 P.M.

Concord (Farm), H.W. Henshaw
departs.

Ther

Sunday, Oct. 1, 1916

Wea

36°. Heavy flight of Yellow rumps.

Glorious

Brilliantly clear with strong N.W. wind which abated gradually this day & ceased wholly at nightfall. Air crisp & very cool.

Warblers migrating overhead in considerable numbers at 10 P.M. last night. Bird Field teeming with them this forenoon. Nearly all were Yellow-rumps. Among these, however, I saw a ♀ Black-throated Blue & one Black-poll. With or near them saw a Ruby-crown Kinglet, 2 Gold-crests, Chickadees, a Mistletoe of both kinds, a ♂ Downy, a Hermit Thrush, a dozen or more Juncos, Henry saw an adult ♂ Sharp-shinned Hawk gliding low through birch canopy. A ♀ Red-wing Blackbird flew low over us there, showing her striped underparts distinctly. Comparatively few Jays now. They have decreased steadily of late. In Farm lane 6 or 7 Robins, ^{12 Catbirds,} a Gray-checked Thrush, 12+ White-throats, a ♀ juv. Saw-whet tapping softly on trunk of elm. A Phoebe by barn eaves, a Song Sparrow in front of barn. Henry & I took our last walk together to Bird Field in mid-forenoon. He left me just after dinner & returned to Andoverdale to take Federal Co. for W. to-night. I went again to Bird Field with Henry at sunset.

Concord (Farm)

Ther
36

Monday, Oct. 2, 1916
2 Cape May Warblers.

Wea
Perfect.

Brilliantly clear & wholly cloudless with light N.E. wind. Fields white with hoar frost in early morn. Mid-day hours very warm with Cicadas flying, Hylas calling & many Butterflies on wing. Altogether a rare autumnal day of "weather breeder" type, however.

Rather heavy flight of juncos. At least 25 in our orchard & half as many more in Birch Field. Not many Warblers. In fact I met with scarcely more than a dozen & these all together on northern edge of Birch Field, feeding mostly in upper branches of tall oaks, bathed in sunlight, at 4 P.M.

The flock included 8 or 10 Yellow-rumps, a ♀ Black-thr. Blue, a Palm Warbler too yellow beneath for true palmarius & scarce enough to for hypochrysa. There were also 2 Cape May Warblers which I watched for half an hour. They kept high in the oaks feeding busily but behaving suspiciously as compared with the rest. One, with entire under parts, reads yellow sharply streaked with blackish & shaggy below. Above, about neck, was indistinctly an adult ♂. The other, smaller, paler yellow beneath & less pronounced streaking, a young ♂. Both had yellowish yellow wings.

Spent most of day in house working letters. In Birch Field at 4 P.M. with "Young" who caught & killed a pair little Chippingm. Went then to Perry Pk. where Thomson & his two men were digging ditches

Concord (Farm)

Ther

Tuesday, Oct. 3, 1916

Wea
Sunny.

Cloudless with light easterly wind. More heat-frost at sunrise but deliciously warm throughout most of day.

At least 25 White-throats, a few juncos, 2 Chipping, 2 Towhees, 5 Robins, 2 or 3 Cat-birds, a Song Sparrow & a Goldfinch spent day in or near our dooryard shrubbery. I later found one of two Cat-birds again in the inner Bat room & liberated it.

Dexter came down to dine with me.

At 3 P.M. we went to Birch Field & found assembled there, in the same place as yesterday upwards of 25 small birds. Of these we identified several Chickadees, 2 Canada Tit-

kates, a Ruby Crown & a Gold-creeper, a Solitary Lark (singing brokenly), an Heron Warbler, about 15 Yellow-rumps, 2 Cape Mays & a D. Vireo. Thus the composition of the flock was unlike that seen here yesterday but the Cape May Warblers may have been too shy. Same although I doubt it. Both were decidedly ♂♂, one ad., one juv. They frequented mostly the very same tall oak in which the two were seen yesterday. One flicked continuously at a dead twig for fully 5 minutes. I heard the other give the "Hi-Loi-Loi" call. A hawk which we both felt almost sure was a juv. Red-tail flew high over the field in a straight course southward. Jimmy threw a large ♀ Gray Squirrel which I shot. We saw one Rabbit & Jimmy killed another. Norton came down at sundown bringing my plants of claret Gortonia for me.

Concord (Farm)

Ther Wednesday, Oct. 4, 1916 Wea
70° max. Fair.

A warm & perfectly windless day, the sun shining freely & intermittently thro' thin, fleecy clouds that more or less obscured the sky.

A vile, grippy cold which began to manifest itself on Monday had so developed this morning that I had half a mind to stay in bed - but did not although my walks abroad were confined to the neighborhood of the house with the exception of one that extended to the

Berry Pasture where Brandon & his helpers were digging a ditch in the forenoon. In the afternoon I set fire men to husking & harvesting yellow corn of which they got 35 bushels. Harris & his man finished concentrating the pond. George graded flower bed front of house with lifted lawn. I saw no birds save in & close about our dooryard where 2 Cat-birds, 2 Robins, 1 Towhee, 2 Chaffins & several Yellow-rumps appeared & reaffirmed as frequent visitors. Gilbert motored to Concord in P.M. taking strawberries & other things to C.

Concord (Farm)

Ther Thursday, Oct. 5, 1916 Wea
70° Autumn coloring Fine

Cloudless, windless, delightfully warm. Altogether a perfect Indian Summer day. Autumn coloring brilliant here & there but not generally as yet. Many swamp maples blazing, others still green. Sumachs, including poison ivy & dogwood, frost their best. Golden rod mostly out of flower (except *S. canadensis*). *Asclepias tuberosa* & *Ceanothus* still making a glorious display along our lane.

The dooryard shrubbery swarming with birds all day. Most of them Robins, Herons & Juncos with 4 Robins, 3 Cat-birds, a Song Sparrow, 2 Towhees & a few Yellow-rumps. A White-bellied Nuthatch in elms. 6 Jays eating acorns in scarlet oak. Bluebirds calling in early morning. Doctor reports a Tennessee Warbler in his grounds. Also a heavy flight of Yellow-rumps in village.

Spent most of day in & close about house with men in Berry Pasture much of forenoon, cutting grass, ditching etc. as they were. Cold better but still troublesome. Harris working on underpinning of house.

Concord (Farm)

Ther
80°

Friday, Oct. 6, 1916

Wea
7 in

Sunny with light S.W. wind. Clouds gathering in late P.M. Warm at noon & end, uncomfortably so through mid-day hours. Hylas calling incessantly, but no Cicadas.

Comparatively few birds. Evidently no flight passing to that of yesterday & the day before, past. Five Robins, 2 Cat-birds, about a dozen White-throats & a flock of 15 Goldfinches haunting dogyard & shrubbery.

Visiting Birch Field at 4 P.M. I found there 4 Yellow-rumps feeding in birches & saw 7 more, very high in air, trailing after 2 Bluebirds flying northward.

A few Chickadees & 3 Partridge-like flocks from Pulpit Rock were the only other birds noted during this walk.

Maple foliage & that of Sassafras reaching its maximum brilliancy & already past it with some trees, Hickories fast turning old gold & birches yellowing, also.

Spent most of day in front of house with backwork, planting trees etc.

Mrs. Malcom called at 10 a.m.

Concord (Farm & village)

Ther

Saturday, Oct. 7, 1916

Wea

Acadian Chickadee. White-crown Sparrows. Puffin

Cloudless & well high windless save for an occasional breath of light easterly breeze. Just agreeably warm all day. Maple & Sassafras foliage ablaze with gorgeous coloring.

The little pond in front of house was overflowed with town water last night & remained so all day. At 7 a.m. there were upwards of 30 little birds bathing along its grassy margin. More & less of them came to it again & again through day. There were some 20 Peewee-birds, 4 or 5 junc. White-crowned Sparrows, a junc. Chaffy, a Song Sparrow, 2 Towhees (♂ & ♀), 5 Robins, 2 Cat-birds, 6 Goldfinches (all in country fork) All these were seen bathing together, sometimes

a dozen at once & quite amicably save that all the others draw away the Goldfinches whenever they attempted to join the general throng. The White-crowns seemed very tame & close. Twice I saw 4 of them at once & I think there was a fifth. In Cedar Park at 8 a.m. I heard the one-plat, harsh, somewhat cluck, cluck-cluck, like an Acadian Tit. I estimated that a dozen times. The bird was unseen but near at hand. Its muffled flight of my growth. Only a few Yellow-rumps.

To Birch Field with Jimmy at 8 a.m. Only a few birds there. Noting that a Gray Squirrel broke Jimmy trail in hollow of barn. Planted Norway Spruce, near 9 a.m. at 1 P.M. returned to Concord where Mr. Hartman & his wife had my Puffin left hand. Brought by 3 P.M. Had a Mrs. Dexter came at 4 to look at my garden.

Concord (Farm)

Young Turkey, golden killed & eaten by Fox
 Ther Fair Sunday, Oct. 8, 1916 Wea
 70° mag. 2 Pigeons killed by Hawks. Glorious

Another perfect Indian Summer day
 with tender blue skies, the gentlest possible
 S. W. breeze & summer-like warmth.

Butterflies & Dragon Flies on wing by scores.
 Autumnal coloring of maples, sassafras & high
 blueberries superb. Hickories Canopies of gold.
 Not many migrants & their feathered. Only
 a few Yellows. Rumps & juncos, more white throats
 Robins (5) Cat. birds 2, Towhees 2, still
 lingering in front of house & bathing in pond
 2 Song Sparrows & a Flicker there on lawn.

Our Turkeys, 16 in number & almost full grown,
 were turned out of their yard for first time day

before yesterday at 10 A.M. During remainder
 of day they were scarce once out of sight &
 were never once known to stray more than 100
 yards from the house. Yet at 2 P.M. we missed one
 from the flock. I found its remains at day
 where a Fox had eaten it on the firm ridge east of
 kitchen place. Only one strong feather in path leading
 there. Near this path in Rose found where Fox
 had eaten white Pigeon on rock. He
 must have caught it in our dooryard for the
 Fox tracks never leave this. Foxes are now well
 scattered about all day when Turkey season.
 Two other white Pigeons (Hennies) killed by
 Hawks & eaten in Rose where their feathers lie in
 heaps. Have not seen or heard a Fox this autumn.
 Turkey completely domesticated for one by (Cassal
 Jones) & fragment of Stearns.

Out with young through Berry Pasture & to
 Birch Field 9-11 A.M. & through Rose & over
 Pine Ridge to Birch Field in West P.O.
 Horse letters & cheques for bills at other houses

Concord - Cambridge.

Ther Monday, Oct. 9, 1916 Wea
 Garden birds. Fair

Mostly sunny but densely hazy.
 Oppressively warm until late P.M. when,
 after a light sprinkles of rain, strong, cool
 N. W. wind began to blow beneath cloudy skies.

To Boston by 8:07 Train. Sat with Geo. Hayes.
 We parted at North Station where I took a
 trolley car to Cambridge leaving it at Memorial
 Hall & walking thence to Mrs. Comp. Tool.

where I spent forenoon, meeting there Henshaw,
 Bangs, Bigelow, Barbour & John Thayer.
 The last named arrived bringing Alexander
 Wilson's gun, a single barrel from the
 Wade collection recently purchased by Thayer
 from Wade's Executor. Reached our house
 (by taxi cab) at noon, lunched in Museum
 & then worked for 2 hours copy data for
 my An. Report from Mrs. C. I. except book
 which Percy was to return before night.

Garden radiant with flowers, especially
 monardras dahlias, and also with birds
 including 4 Robins, 4 Yellow-rumps, about a
 dozen Towhees - throats, a Gold. chick, a Chickadee (red)
 & a Downy. Percy reports a Towhee seen on 7th
 & a pair white Sparrows present for past 2 weeks.
 Niagara & many early grapes very good.
 Arbor vines fruitless or nearly so.

Took 3:53 Train to N. H. Cambridge to Bedford
 where I spent next night. Bedford surrounds all
 with autumnal coloring. Never saw it finer.

all feathers of Pigeon & Turkey
 by Fox. Has one feather
 of

Concord (Farm)

Ther Tuesday, Oct. 10, 1916 Wea
34° 8 P.M. Superb

Brilliantly clear with high, cool N. W. wind.

7 Robins in or near dooryard all day, spending much of their time running about over the lawn where I repeatedly saw them draw out earthworms. They also ate *Barbarea* freely. Here, also, were seen a Cat-bird, a Song Sparrow, several Juncos & a dozen or more Town-Sparrows. There was a ♂ Towhee not far off, in Cedar Park.

Visiting Birch Field, in company with Jimmy, at 9 A.M. I found three upwards of 20 Yellow-rumps, one Yellow Palm Warbler, a Ruby-crowned & a Golden-crowned Kinglet & a Chickadee all feeding busily among the birch branches.

At 7 A.M. a flock of 14 *Thryothorus* flew low S. W. over orchard & in late P.M. a dense cluster of Starlings, at least 30 in number, took frequently the lawn route.

Just before sunset a large, songy-bonged Hawk that looked very like a Gos. Hawk, circled low over the orchard & then dashed at something there.

Spent most of day in house speaking on Museum trip, without nearly finishing it.

Concord (Farm & Ball's Hill)

Ther Wednesday, Oct. 11, 1916 Wea
With grape vine bearing *Chionodoxa* Fine

Clear with ever ebbing N. W. wind and rising temperature. Fields white with hoar frost at sunrise when Burbank found a little ice in the poultry yard. No apparent damage to vegetation, however. We are still eating tomatoes, lettuce etc. Green corn *feraciously* all gone. Plenty of Strawberries & late peaches.

Left found in our Berry Pasture to-day a wild grape vine loaded with ripe & really delicious fruit, in handsome symmetrical bunches, some green in color like *Niagara*, others & these the best-flavored - decidedly pinkish. The pulp was juicy, the skins thin. No mushy flavor.

A great mob of intermingling Juncos & Town Sparrows in milk at Farm. 2 Pine Siskins eating *Sunflower* seeds.

Bird Field swarming with Yellow-rumps - 2 Yellow Palm Warblers there.

Spent entire morning on Museum Report, finishing it by noon. Mailed by Express at 1.30

In P.M. drove through Birch Field & to Davis & Ball's Hill. Met Burbank, who just rep 17 "No Shooting" signs.

Concord (Farm)

My first Partridge, for many a year, shot.
Ther Thursday, Oct. 12, 1916 Wea
34° at day break First Can. Geese seen 7:15

Clear & cool with light easterly wind.
A few frosts coating every thing at day break
but damaging no vegetation about our farm.

Hordes of Juncos & White-throats, at least 30
Robins, a Song Sparrow & a Towhee, spent
day in or about the farm, including
the Berry Pasture.

Birds flying south with Yellow-rumps.
At least 50 there & with them a handsome
Nashville Warbler with ash blue head &
clear yellow underparts. Also a Yellow Palm
Warbler & 3 Ruby. One of which I noted
2 others elsewhere. Woodpeckers (Acadian) Chickadees
& Winter Wren heard near Barrett Spring.
Sapsucker (♀) in Pulpit Rock pines.

Geese flying in every direction all day
long. I took mine out at 8 a.m. & shot a
few Partridge, perched in an alder, which

Jimmy flushed in Berry Pasture. He also flew up
2 Phoebe which gave me no chance.
After that we went to Birch Field but found
no game bird there.
At noon Mrs. Stone arrived with her horse,
Mrs. D. Litchell & another lady. They
lunched in Cedar Park. After lunch I walked
with them to Prescott Pines.
Men picking apples. Harris is roofing under shed

Concord (Farm)

Ther Friday, Oct. 13, 1916 Wea
First flight of migrant Crow Stormy.

Dark cloudy with violent S.W. wind which
brought rain by 3.30 P.M. The first we
have had for weeks it came in intermittent
showers & is still falling - at 8 P.M.
The long continued autumnal drought
has made the woods as dry as tinder &
all but the larger brooks have been water
& ice. Vegetation has not suffered much, however.

Almost all the migrant birds here
yesterday must have passed on southward
during the night. Scarcely a dozen. Probably
birds remained about the farm & but one
Juncos was noted there which Birch Field was
haunted by only 5 or 6 Yellow-rumps.
A ♀ Sapsucker, apparently the self-same bird seen
yesterday was met with to-day in Cedar Park.
Two red ♂ Purple Finches, in bark in Berry Pasture.
40+ Crows migrating high S.W. at 6 a.m.

"Jimmy" & I were out with the gun, 9-10.30
a.m. but stalked only one Partridge & two out
of range. We visited the Berry Pasture & Birch Field
Monson & Capper, back after a weeks absence, with
Jeph & Lawrence's gray horses, hauling stones for
cauldray in Berry Pasture. Harris & his men
mowed & kept big bed bath stone in driveway.
I spent much of day in house writing letters

43 Concord Farm
first flight of 5000 birds at 5 P.M. seen by Monson & Capper

Concord (Farm)

I shot a second Partridge
Ther Saturday, Oct. 14, 1916

Wear
Fine

Raining at times very heavily, through most of last night but the sun rose clear this morning & shone brightly all day. The wind had shifted to N.W. & blew strong & cool until noon sunset when it died away.

Despite the cloudy skies, violent S.W. wind & deluge of rain of last night a heavy flight of migrants must have come from somewhere further north betwixt sunset & sunrise for our woods & fields were barren of them yesterday & flooded with them to day.

There were mostly Yellow-rumps & juncos. Of the former I found a flock of at least 30 in pine near Pulpit Rock & as many more in Birch Field; of the latter not less than 60 spent the day about the farm occasionally visiting the bird bath to bathe by dozens at a time. Some were thus engaged ~~after sunset~~ although the air was then almost frostily cool. How could they hope to dry their plumage before going to roost. There was also a fresh, but not very great, influx of Peewee birds.

Jimmy & I tramped through Berry Pasture & Birch Field soon after breakfast but saw no game. We started out again with our guns at 3 P.M. when he tried a Partridge in Cedar Park. I went back to home for the 20 gauge & calumny hat the bird on its feet in a world after than. We started two more in Berry Pasture & a fourth in Birch Field but they gave us no promise of a shot.

Concord (Farm)

Heavy flights of Starlings southward bound
Ther Sunday, Oct. 15, 1916
32° min 64° max,
Fair

Forenoon sunny, afternoon cloudy. Strong S.W. wind. Ice as thick as window glass formed one night, yet no tenderest plant anywhere near our house shows any signs of injury from frost. Between daybreak & 10 A.M. the temperature rose from 32° to 60°. It went 4° higher, later.

An extraordinary flight of Starlings all southward bound & well above tops of larch trees, moving this, half a dozen or more flocks of 10 to 30' marked each, passed over our house 9-10 A.M. At 4 P.M. I saw at least 150 in one flock, closely crowded, passing over within place. Upwards of 40 juncos, half as many Peewee birds, a Song Sparrow, a Fox Sparrow & a Chipping were flitting about farm all day making frequent visits to the bird bath especially at noon - & finally crowding it at times. A few Yellow-rumps scattered widely, 4 Hairy, 2 Ruby-crowns (one at bird bath but not bathing), 2 Gold-crests,

a number of each kind, a Creeper, Titmouse heard, a dozen or more Robins, 5-Partridges in Peach-tree, 2 in Cedar, 1 in Berry Pasture, Jimmy tried 2 of them in field. I could hear their soft cooing. But with Jimmy 10-12 A.M. & 4-5 P.M. sitting in hawk cage & dog the Blackbirds, Hens, John Doves & our own Rock and Corn at 8 P.M. to hear Blackbirds, singing until 9.30.

Concord (Farm)

Ther Monday, Oct. 16, 1916 Wea
Gray Squalls, heavy at times, a few birds, heavy drizzle Fair

Partly cloudy, mostly sunny; warm;
light S.W. wind.

Some had maples mostly bare, others leafy & glowing, a few still green. Berches have lost their little foliage as yet. Hardly any wild flowers left. Our Juniors still making a brave show.

After their flight of Barnum Swallows, saw
no less than nine. Farm land flooded with
Juncos & White-throats. Very little activity
on mossy Robins bathing in front of house all day.
Two Ruby-crowns in barn, a Titbird in Birch
field with a big black BoT, of yellow rumps
which also included a Yellow Palm Warbler,
a Gold-creeper, Chickadee & a Downy.
A Supercilious Taffing beetle on elm trunk in barn.
Bluebirds calling in many ways, on to top.
3 Song Sparrows. Jays all gone, apparently.
No Pheasants. Only one Partridge

Through heavy Pasture & Barbed Wire with Jimmy
Goldballs & again with Dexter 3-4 P.M.
Monson, Cooper & Toph working in heavy trees,
Harris & Joe on barbed wire fountain, Barbed
& George feeding apples. I see many
chipmunks, a few Red Squirrels, no Geays.

Concord (Farm)

Ther Tuesday, Oct. 17, 1916 Wea
late lingering Phos. fine

Early morning cloudy & mild. Rest of day
brilliantly clear with steadily falling temperature
and a living gale blowing at first from S. W., then
shifting gradually to N. W. Large trees in exposed
places lost sometimes dead branches & not a
few living ones. Dust blown from road surfaces
flew in clouds over woods & fields, and
brilliant autumn leaves filled the air at times
or circled and eddied low over the ground;

As always happens where there is word
of such extreme violence it banished
most of the birds from open places. Only
a few juncos & White-Throats visited the
cloveryard but there were a dozen or more
Robins there at times & all their species
bathed freely. In Bird Field I found about
a dozen Yellow-rumps, a Ruby-Crown, and a
few more Thrush. Jimmy & I went there
in both forenoon & afternoon. He & I shot 2
Partridge, one of which ran out into the
opening within ten yards of me & then took
flight behind some clouds just before I could
get gun on shoulder. On the way back I
he tried in Big Gray Squirrel on a tall bush &
I shot it.
Harris' conversation about bird bath. 21st
Catching Towhees. Mowbray & Cooper drinking on
Paddy Padua. Mowbray: & George's pecking apples.

Concord (Farm)

Ther Wednesday, Oct. 18, 1916 Wea
27° at dawn. First hard freeze. Superb

"Weather-breeder" type of day, cloudless, almost windless, wholly free from haze, a few clouds gathered, however, & a chill N.E. wind started, just before sunset. Last night calm & decidedly the coldest thus far. Mid day hours pleasantly warm with Dragon Flies, but no Butterflies on wing. Some red maples still covered with dense foliage, of the most brilliant hues.

Fresh influx of Yellow-rumps, Peabody birds & juncos. Of the first named about 30, of the second at least 25, of the third upwards of 100, were noted. All the Yellow-rumps were in Black Field where I heard also 2 Ruby-Cranes. The juncos & White-throats frequented our meadow near house & rose-garden in clouds when disturbed. A ♂ Towhee a Chaffin & 5 Robins besides flocks of juncos & White-throats, visited the dooryard freely.

4 Red-shouldered Hawks, soaring & speering close together, in dooryard, over Black Field. One Partridge drumming in trees & another in B.G.

Jimmy & I made our usual round through Perry Pasture & Black Field in afternoon & after noon but he started only 2 Partridges & 1 after he shot at any thing disreputable. Blackbirds & 1 painted bird & 1 junco & 1 hawk furnished the commonest marks of our bird walk. Mention the Cooper's hawk, 1 sparrow & 1 sparrow hawk.

Concord (Farm)

Ther Thursday, Oct. 19, 1916 Wea
32° min. 44° max. Stormy

Dark cloudy with strong, chill N.E. wind and incessant rain, light at first, increasing in violence as the day wore on. Water from again late night. Nearly all the red maples now bare but a very few still dense with brilliant foliage. About 50 juncos, 20 White-throats & half a dozen Robins flitting to & fro about our dooryard and bathing freely at all hours even when the rain was falling fast & the keen wind blowing strongest. Their opportunities for such ablutions have been greatly improved by the changes just completed especially to provide for it. Town water piped directly to the big stone bird bath now overflows it into a shallow cemented pool and thence runs around the border of a flower bed into the pond which no longer leaks & has a large, partly-bermsted stone slab especially favored by bathing birds.

Jimmy & I made the usual round just after breakfast without seeing any game.

But when in late P.M. we went through the Perry Pasture, leaving the gun at home, he flushed a couple Partridges & 2 Mallards & a lot of other species of birds. Spent nearly 9 days in the woods surrounding things.

Worcester (Farm)

Ther

Friday, Oct. 20, 1916

Wea

74° max, 70° at sunset.

Fair

Sun shining steadily but more or less obscured by filmy clouds or dense haze. Unreasonably warm with light southerly wind. Hylas calling. One or two Butterflies seen winging.

Comparatively few birds. The Sparrows
flock about orchard, dooryard & lane
thereall to not more than 25-junes &
10 or 12 white-throats, the Robins numbering
only 5 or 6. All three species talked but
not numerously or often. The Robins feed
a little at one few remaining Hawthorns.
They have well-nigh stripped all the
barberry bushes about the place.

Of other birds I noted ~~several~~ any.

Jimmy & I had no luck with the gun.

We flushed a Partridge in the sun & he
in Berry Pasture. He later I saw a big
cock Pheasant strutting through a dense
thicket. & might have shot him there but

instead tried to get a young that built the headshot
on & finally got one of 9 years.

A fog in Bailey Pass. & some details of camp. 15. Pushing
via Carson Pass, Barbanks & I, spent most of
day rambling through country & region, far out
E. end of loop. Mendenhall did not come.

Bonard (Farm)

Ther

Saturday, Oct. 21, 1916
Atalapha cinerea

Wea

May ed.

Forenoon cloudy with frequent light showers.
Afternoon sunny, with brilliant light shed on
still more brilliant autumn foliage (mostly of oaks &
beches). Very warm all day. Fresh S.W. wind.
Not many birds & these scattered. About
15 Juncos & 8 or 11 White-throats, a Song Sparrow &
a Fox Finch;
a Chiffy came to bathe at noon. A Towhee
calling near the house. 2 Goldcoats in Pulpit
irish ferns, 2 Yellow warblers in Birch Field,
a few Crows straggling southward in flocks
of 6 or 8, apparently migrating. A Green Owl
soaring in Ken, near Pulpit Rock, at sunset.

The little hen Partridge, that ran across my
path from ten dark shells in Bush-Ties, on
the 17th, has been seen there frequently of late.
Jimmy flushed her from it this afternoon
when she came bubbling out from me within
ten yards. As she crossed the path & was
about to disappear among dark young ferns - I
shot at her head & almost covered it. The
charge also shattered her right wing but did
not touch her body - a lucky chance.
We flushed three more Partridges one of which I
missed badly - but on the ground - but
would not. I did not fire at any of them.
Spent most of day with Jack & his
cattle & sheep. He brought me a beautiful

Concord (Farm & Ball's Hill)

Ther 3 Sunday, Oct. 22, 1916 Wea
3 Acadian Chickadees, 1 Western Tanager, Fair

Forenoon sunny, afternoon partly cloudy.

Rather cool with light westerly breeze.

H. M. Spelman arrived by train reaching Concord at 9.50, where Gilbert met him. He & I had a delightful walk in forenoon, to Ball's Hill via Prescott Farm & Davis Hill, returning via Holdenville.

Soon after entering Birch-Field we heard the voice of an Acadian Chickadee & traced it to the cluster of intermingling grey birches & white pines

through which the cart path runs just after entering the "fields". A few moments later we espied no less than 3 of the Brown Capped Tit having perched downward about the path, pecking at the bark. One was literally within a few inches of our nostrils. All three looked presently able. They were very tame & for the most part silent. Staring about beneath them we watched them for several moments & finally left them there. No other bird near them save a solitary Black-c. Chickadee about 60 yards away.

Another interesting bird seen among Birch Spruce at the edge of Horns Meadow was a Palm Warbler quite typical of the western race. Two Flickers & at least 3 Song Sparrows in this meadow. Only two jays & one Partridge seen. Jimmy tried the latter in a north pine, 2 Ruby. Crows. 2 Gold-c. C. a Hermit, a few Juncos & Peabody birds, about a dozen Crows, a Hairy W. & Purple Finch, 2 Robins & 3 Goldfinches completed the list. No! There was also 9 Titmice seen on way to the Farm.

Harry came with me & departed at 3 P.M.

Edmond Swales & Raymond (just back from Texas) called at 4 P.M. & stayed upwards of an hour.

At 7.45 P.M. I went to John Lawrence's to hear his son Richard's beautiful recitation of a poem which was new to me & very good.

Concord (Farm)

Ther Monday, Oct. 23, 1916 Wea
Fair

Partly cloudy, mostly sunny; light, chills northerly wind.

Late autumn coloring perhaps at its best now. Elm foliage soft old gold, hickory overspreading lawn a great dome of similar color, many oaks, both scarlet & white, uncommonly brilliant-hued. High blueberry bushes no less so.

Big flock of juncos (50+) among boughs & nibbles in orchard, a few splashing in bird bath. Peabody birds, nearly all gone.

Only one or two jays. Heard flight calls of Horned Larks this afternoon & yesterday morning. Saw (from window) a flock of 15+ Goshawks, apparently of this species, flying low S.W. at 3.15 P.M. To-day heard the ch-oak of a Canada Goose retired only once but very distinctly. Being well back in dense pine woods I failed to see the bird (or flock).

Spent most of day in or near house. But with gun & Jimmy in mid Fall. He flushed

3 Partridges & 2 Pheasants (in corn). One

Partridge gave me a fair cross shot in open at edge of woods below orchard, but I missed it "clean". He then tried but flew again soon. Jimmy pulled this out of him finally & got some heads.

Concord (Farm)

Ther Tuesday, Oct. 24, 1916 Wea
Evening Clear (?) Fine.

Heavy white frost at sunrise contrasting exquisitely with brilliant autumn foliage in thickets of blueberry bushes near our well house across the road. Forenoon brilliantly clear & quite windless. Clouds gathering & easterly wind rising in late P.M.

Very few birds. Robin. Thrasher all gone & less than a dozen juncos noted. Only two Robins & a Flicker, 3 Goldfinches & a couple of Jays near house.

Bird Field well high deserted save by Chickadees (11 in our flock) & Green-crowns (2).

As I was standing near the house at 9.30 A.M. the notes of an unseen bird which I feel almost sure was an Evening Grosbeak came to my ears, apparently from below Parke. They were not unlike the harsh chirps of a House Sparrow but much louder & otherwise appreciably different. I hurried down the lane but the bird ceased calling before I had gone many rods & then was heard afar off in the woods, over the house.

Spent most of forenoon with meadow near house. Collected some to Cambridge. Distant coming to dinner. After it was walked to Parke & back. Shot a Gray Squirrel near bridge.

Concord (Farm)

Ther Wednesday, Oct. 25, 1916 Wea
Fine

Early morning foggy & also somewhat cloudy. Sun shining brightly after 10 A.M. Frost over night but most of day comfortably warm with light S.W. wind.

Oak foliage very handsome now. Also that of high blueberry & huckleberry bushes. Birch leaves losing color & many fallen. One swamp maple in run has not lost a leaf as yet but its foliage has turned yellow without trace of green although the tree is Acer rubrum beyond a doubt.

Fall migration practically over. The only bird certainly a south-bound migrant, noted to-day, was a solitary Yellow-rump. In Berry Pasture, at 9 A.M. I heard Pine Squirrels calling all about me & evidently pecked but not one could be seen. Besides their customary notes they uttered freely the Goldfinch-like may-be freely & very sweetly. There must have been many of them. No Robins. 3 juncos & a Goldfinch bathing.

Spent most of day planting bulbs & other things with Parke's help. Evening I went to Birch Field at sunset. As I ran through the thicket where I shot the house Partridge last week, without starting any bird but when I came to a few Partridges flew in small successive flocks of gray birds. Whether they were house Partridges, they gave me

The drive from Concord to Cambridge is all through the drive from Concord to Cambridge.

Concord (Farm)

Ther Thursday, Oct. 26, 1916 Wea
Fine

Brilliantly clear with warm sun and fresh, cool W. wind. Evening much cooler.

Leaves detached & driven by strong wind flying in clouds, as thick as snow flakes, over open fields. Many trees, including elms & hickories, now nearly or quite bare. Oaks still dense with foliage but its more brilliant tints are fading. The brightest autumn coloring now afforded by blueberry & huckleberry bushes.

Very few birds. A solitary Robin in the Strawberry patch, 2 Goldfinches in bird bath, a Jay & a ♀ Red. Shouldered Hawk flying over orchard, was all I noted near the house - there was also a Song Sparrow there.

In Birch Field, towards Sunset, Jimmy took them Partidge but they were so wary I got no shot. I saw then a small flock of Chickadees, a Canada Warbler & a Yellow-crowned. Heard another Yellow-crowned in Berry Pasture. Saw a small Bob flying about very busily near house at eve. Spent most of day with Bird-bath, plenty of birds & other things near house. In the out a lot of Cardinals in Berry Pasture.

Concord (Farm)

my fourth Partidge shot
Ther Friday, Oct. 27, 1916 Wea
Evening Crossed. Heavy flight Perfect.
of Southward Crossed.

Brilliantly clear & delightfully warm with light, soft S.W. wind. A few Dragon Flies on wing at noon day.

Shortly after breakfast I was standing in our dooryard when an Evening Grosbeak began calling very near at hand, apparently in trees or shrubbery at head of lane. This time there could be no doubt as to bird's identity for its loud voice reached my ears with perfect distinctness & its notes, House-Sparrows. At first, gradually changed to the more tolerable, though still the most irritating that of the Peewee Grosbeak, for as did those of the birds I heard last year as did those of the birds I heard last year as did those of the birds I heard last year.

37 Crows flying high S.W. in straggling order, passed over at 7 A.M. They were followed an hour later by 115. This second procession was more than a mile in length. The numbers were constantly changing & their voices were pleasingly sonorous in the still air. A third flight of about 20 birds passed later still 40 + flocks in our meadow, 15 Robins eating barberries, 2 House-wrens in corn patch.

Mourning & Jasper both again, travelling on road at foot of orchard. Lph & Gray, carrying grapes. I planted both with Burbank's. At 4 P.M. went to Birch Field with Jimmy. He started & Partidge there. 6 were flushed from ground in our field. I missed a perfectly good & open shot at one & then cut down another by a small snap shot as it was flying in lightening speed through dense leafage. This success made my nervous little joints aching very - well-known for many a year.

Concord (Farm)

Ther

Saturday, Oct. 28, 1916

Wea

Cock Pheasant shot. Perfect.

A clear, autumnal day, absolutely cloudless, almost windless, with warm sunshine & at least one Butterfly (a Clouded Sulphur) on wing, about Grass fields which with hour frost at sunrise.

Pheasants calling uniformly in every direction. Last evening and this morning early. At 6.45 I set forth in pursuit of them, under cover of a brush field approached corn patch closely & heard them running through the corn when I showed myself. A moment later 3 birds rose among the brush beyond, 2 out of range, but the third was not far, as he topped some alders, in swift flight, a charge of No 4 shot from the 20 gauge brought him down. I looked for him long in vain & was about to give it up when his fall caught my eye in a bush of grass. He was a superb fellow & in perfect plumage.

Turning & I went to Birch Field at 9 a.m. & flushed a Partridge there. We went again at 11 P.M. & flushed beyond about to Birch Field, some Canada Partridge there. but I did not see any other. Saw 2 Hairy Wood Thrushes & 2 Yellow Kinglets in Birch Field. Only a few birds at farm - about 20 Juncos, 2 Robins, a Song Sparrow etc 37 migratory Crows Plunging over road at 8 a.m.

Spent most of day with Burdocks, plowing & transplanting Shrubs etc. Raymond & Arthur Swanson called. when I was about in late P.M.

Concord (Farm)

Ther

Sunday, Oct. 29, 1916

Wea

Fair

Sunny at noon with clouds gathering in late P.M. Good frost in early morn. Warm through day. Light southerly wind.

Not many birds. About 20 Juncos in meadow patch, a few Sparrows in Swampy thicket, a few Sparrows among pines in Birch Field, chirping loudly at dawn. A few Chickadees, one Canada Nuthatch, a Jay, several Crows (evidently local ones).

As I was sitting by the window at noon a Pigeon Hawk came flying low over our back yard. He did not seem to notice the rows of white Pigeons on the shed roof, but I saw that they noticed him & watched his flight closely, with evident suspicion.

Brown Crows come down in flocks to peck over the apple trees for chaffin. I caught a few Crows. Took Jimmy to Birch Field at 4 P.M. He flushed two Partridge there & took over 9 of them - in a better bush.

Concord (Farm & Sleepy Hollow)

Ther

Monday, Oct. 30, 1916

Wea
Fair.

Sixing but densely hazy; very warm with light southerly breeze & intervals of calm. Altogether an Indian-summer-like day.

About 8 a.m. a flock of Browned Grackles comprising at least 75 members alighted in the top of an elm & remained there several minutes before flying off but westward. They were very noisy while perched.

Upwards of 30 Juncos feeding in millet. 2 Robins descending from high in air at sunset & seeking roosts among dark young pines in Marsh Field. Three Partridges flushed by Jimmy in Marsh Field, one old cock drumming on stone wall at foot of run. A few Chickadees, a Jay, a Downy, several Crows. Titlarks heard in Grass Field.

Spent much of forenoon cutting out a new pathway through Marsh Field. Went there again with gun at 4.30 P.M. when Jimmy started the Partridges. I got no shot. Motored to Sleepy Hollow at 3 P.M. & marked places for bushbuds to be planted for Mr. Malcom near Memorial.

Concord (Farm)

21

Ther

Tuesday, Oct. 31, 1916

Wea
Dull

Rabbit. Acadian Linnet

Dark cloudy with cool N.E. wind and mist so nearly like fine rain that the trees dripped with it & the grass was soaking wet all day. Yet there was no perceptible rain fall whatever, or at least none sufficient to make one think of using an umbrella.

Not many birds about the Farm. Started upwards of 25 Juncos in the millet. 14 Pine Squirrels & 11 Starlings seen on wing.

The former alighted for a moment in an apple tree in the orchard. Visiting the Berry Pasture at 11 a.m., unfortunately without a gun, I was surprised when Jimmy flushed no less than four big cock Pheasants from dense brush bordering one low patch of standing corn. Yet Mauden and Cooper had been tearing them from a heap within 20 yards of the trails for some hours or so. Heard an Acadian Linnet many times in tall leafy oaks just above Cedar Park & started a drumming Partridge from stone wall at foot of run. Hopscotching to glances under the green top of a fallen pine in Purple Haze woods I espied a Cottontail Rabbit Crouching there within a yard of me. Jimmy at my very heels did not shoot him & we left him there undisturbed. Spent most of day and a dawn with the mowers, kept out above the tall clouds young corn at last and a dawning.

Concord (Farm)

Ther Wednesday, Nov. 1, 1916 Wea
Mixed.

Forenoon dark cloudy & densely
foggy with one brisk but brief
shower. Afternoon sunny, calm,
very warm & delightfully serene.

Bird life at low ebb. No marked
migratory movement save that of flock of
13 Horned Larks very high in air and
flying straight southward, at 3 P.M.

20+ Juncos in meadow, a dozen or more
bathing at noon. Titlarks heard. 3 flocks
of Chickadees one of 10 a more numerous.
A Creeper, 2 Jays, a Hairy Woodpecker,
one Parula (in Birch Field), a Scratch Owl
waiting close to house in swamp twilight.

What has become of the Fox Sparrows?

I forgot to mention in above but a flock of
7 Goldfinches eating seeds N.E. side in lawn.

At 7 A.M. I went to Berry Pasture taking the
gun but not "Jimmy". As I approached the open
patch a cock & a hen Pheasant ran from me
& scattered off 100 yards or more along a call path.
3 more came back on wing a moment later, with
loud outcry. Shot one of the first birds & found
any chance for a shot although the big smooth
pipe served me almost perfectly. I brought in
Sport most of day supervising work in
& about 1000 yds. where I was wrapped in dead birds
in lawns & covered road with birds & very
little care to dinner. We went to Birch Field.

Concord (Farm)

Ther Thursday, Nov. 2, 1916 Wea
64° max. Perfect

Cloudless with tender blue sky & not a
trace of haze. Fields white with hoarfrost
at sunrise but most of day delightfully
warm. A Clouded Sulphur Butterfly hovering
about some *Junia* flowers close to shed
house flais & tiny Diptera on wing in
abundance. Hyla peeping nearly as in spring
(to P.M.)

Hardly any birds about despite the
mainly Indian Summer weather.

2 or 3 Juncos, a Goldcrest, a Jay &
Crows were literally all I saw or
heard near the house. Another Goldcrest
seen in the field. Chickadees were all that
could be found in Birch Field.

Shortly after sunrise I hastened to the
corn patch in Berry Pasture, across the fence
into the field, hoping for a shot at a Harewood

but none was there. At 4 P.M. I went there
again & flushed an old cock who ran from
the brush 100 yards off south end. Only
succeeded by another shot. Still further off
soon after this I started 3 wary Pheasants at
Pulphus Rock. Following them I got a duck shot
at once in deep brook but missed. Later still I
started 2 more in Birch Field. One of these
ran into the path & was shot but the other
was not. The afternoon again on wing
in the field. Trying to control the morning

I spent most of day at farm and evening in meadow, digging etc.

Concord Farm

Ther Friday, Nov. 3, 1916 Wea
Acadian Id. Heavy fog & snow Fair

Mostly sunny but with endless procession of great cloud masses driving before strong N. W. wind. Producing an ever changing panorama, very impressive at times especially just after sunrise & before sunset.

Birds comparatively plentiful again. 29 migrating Crows passed at 8 a.m. and upwards of 200 (I counted 198 roughly) at 4.30. The larger flock more than a mile in total length, some straggling others bunched, all laboriously half-breasting the gusty wind & flying singly above the larger mass. It was a truly impressive sight. That of the countless flights of Golden Eagles against the cloud-clapped sky.

3 Juncos & a Goldcrest only birds seen was heard. In Forest of white, at 4 P.M., I found 12 Robins, 2 Yellow-rumps, 3 Goldcrests, an Acadian Chickadee, several Blue-crope, a Brown Creeper, a Red Crossbill (one wing). The Acadian Id. was noisy, restless & I thought also shy for I thought to approach him closely. He was with the Yellow-rumps & Kinglets which but avoided the other Chickadees. I started one yesterday here & another in Berry Pasture but got no shot in either.

Just before sunset an immense flock of Starlings, passed over our orchard, coming from direction of Camp Pasture. Then hundreds of 500 or more. Flocks of 22 Starlings fly up, but S. at 7 a.m. Spent most of day with men working near house. Raymond & Amelie Swanton came to supper.

Concord Farm - Cambridge.

Ther Saturday, Nov. 4, 1916 Wea
32°; 54° First Redpoll. Fine

Brilliantly clear & bracingly cool with light westerly breeze - dying before sunset. Fields white with hoar frost at sunrise.

Not many birds. 3 White-throated Sparrows (last noted Oct. 23), 2 Juncos, a Goldfinch (heard) & a Goldcrest, in lawn. One Jay, several local Crows & a flock of 50+ migrating ones flying S.W., very high in air, at 10 a.m. At this same time I heard distinctly & then repeated, the flight call of a Lesser Redpoll. The unseen bird seemed to be passing overhead in a northerly direction, I heard Howard Hawk, also, & (I thought) an Evening Grosbeak.

Passing the fallen pine top where the Cottontail was seen crossing & left undisturbed a few days ago I found him there again but this time he leaped off at top stand before I could pass the pine foliage.

Spent forenoon closing books, sorting apples etc. Left Farm in Ford car at 3.20 & reached home at twilight with following: Figs C. & E. R. B. then I left. Big flock of Juncos, 7, 10, 12, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200, 205, 210, 215, 220, 225, 230, 235, 240, 245, 250, 255, 260, 265, 270, 275, 280, 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360, 365, 370, 375, 380, 385, 390, 395, 400, 405, 410, 415, 420, 425, 430, 435, 440, 445, 450, 455, 460, 465, 470, 475, 480, 485, 490, 495, 500, 505, 510, 515, 520, 525, 530, 535, 540, 545, 550, 555, 560, 565, 570, 575, 580, 585, 590, 595, 600, 605, 610, 615, 620, 625, 630, 635, 640, 645, 650, 655, 660, 665, 670, 675, 680, 685, 690, 695, 700, 705, 710, 715, 720, 725, 730, 735, 740, 745, 750, 755, 760, 765, 770, 775, 780, 785, 790, 795, 800, 805, 810, 815, 820, 825, 830, 835, 840, 845, 850, 855, 860, 865, 870, 875, 880, 885, 890, 895, 900, 905, 910, 915, 920, 925, 930, 935, 940, 945, 950, 955, 960, 965, 970, 975, 980, 985, 990, 995, 1000.

Cambridge

Ther

Sunday, Nov. 5, 1916

Wea
Stormy

Forenoon dark cloudy with incessant, but at no time heavy, rain. Clouds thinner in afternoon with no rainfalls, very chilly all day.

In Garden: A Peabody bird & 2 House Sparrows feeding together on Pigeon grain. Crows cawing not far off.

Spent forenoon in Museum, writing letters. Miss Allyn & Frank Manning our guests at dinner. With Miss Henders C. & E. R. S. we sat down six at table coherent soup served roasted turk cock Pheasant that at Concord a week or more ago. Although everyone seemed to be kept liberally the birds white & savory flesh was not quite all gone at the end of the meal. I skinned out some of the handsomer parts of his plumage before he was plucked.

Frank stayed until 5 P.M.

E. R. S. reads letters from John Dunn & played Victrola, for our evening entertainment.

Cambridge

Ther

Monday, Nov. 6, 1916

Wea
Fine

J. E. Leach visits me.

Clear & cool but not frosty. Light westerly wind.

Almost all deciduous foliage fallen in Garden & jungle. Only remaining flowers a few zinnias & marigolds in sheltered places & abundant small Chrysanthemums. Grapes all gone; there were not many this year. To their failure no doubt is due the absence of the Peabody birds, usually so numerous here in this season's water.

A Goldeneye Kinglet & about a dozen House Sparrows, the only birds noted within our grounds to-day.

J. E. Leach of Los Angeles, California came this morning 9.30 by appointment, to spend the day with me & see the collection - a very pleasing young man whom I liked at first sight & who also impressed me as an excellent ornithologist. He departed at 4 P.M. - trouble in my right eye, because of which I did not attend Nuttall Club meeting this evening.

Cambridge - Boston.

Ther Tuesday, Nov. 7, 1916 Wea
National Election Fine

Sunny but hazy, windless, heavy white frost at early morn, chill air all day. Altogether ideal weather for the Presidential Election.

In Garden: 2 Chickadees, Goldcrest (heard), 2 Goldfinches (ate sunflower seeds, from of Museum), 10+ House Sparrows, Downy (heard across North St. in Harvard Park) To Bowdoin St. at 10 a.m. voted Straight Republican tickets throughout, then to Boston where I spent 3 hours (12-3.30) at our office, luncheon with Arthur at Torrey. The Ninth Mass. Regiment, returning from Texas, marched past while we were there. Streets crowded with people who cheered only moderately. Home by 4.20 P. M.

Alvin & Harry Bartlett called at 8, staying until 9. After that we tried some new records from our November list. Only three or four proved satisfactory. A very beautiful one by Gustav Lindström.

Cambridge

Ther Wednesday, Nov. 8, 1916 Wea
Blue Jay minimus Sparrow Hawk Fine

Clear, calm, comparatively mild. Cherry trees still well clothed with autumn-tinted foliage but the leaves falling fast. Those of Japanese very nearly all off. Few other trees shrubs or vines have any life.

In Garden: (3) Chickadees & a Goldcrest together in willows by Museum gate, Jory screaming, 10 or a dozen House Sparrows.

My right eye increasingly troublesome since Friday last. Consulted Dr. Williams about it at 8 a.m. He found & extracted a loose eyelash but his discomfort has not since much abated. While on way to his office at 8 a.m. heard the rattling call of a Sparrowhawk repeated many times. It was presently traced to a Blue Jay among shrubbery in Nichols place. I have seldom if ever before heard a Mass. Blue Jay mimic the Sparrow Hawk. Spent most of day in Museum. The eye trouble prevented any work near collections. (I'm) waiting some papers & working a few short letters. E. R. S. read aloud in evening.

Cambridge - Concord (Farm)

Shoot my fifth Partridge.

Ther

Thursday, Nov. 9, 1916

Wea

62° mod.

Fine

Sunny; very warm; strong S.W. wind;

clouds gathering at sunset.

In Cambridge Garden: 4 Goldcrests with 5 Chickadees, adult Peewee bird with patch of feathers gone from one side of breast, Pine Siskin & Downy W. heard, about a dozen House Sparrows.

Concord Farm, A House Sparrow & a Goldfinch in dooryard, a Fox Sparrow with 10+ Junco in Green Field, The Sparrows heard in Berry Pasture, a Creeper near Pulpit Rock & another in Persimmon Tree, 2 Goldcrests seen in Cedar Park, 2 Partridges flushed in Birch Field, one in Green Field, one Pheasant in orchard, 2 hens in Berry Pasture Cove.

No other birds noted, not even a Crow or Jay.

Motored to Concord in forenoon (10.45-11.50)

via - Temple P., Arlington, Buxington, Bedford.

Out with the 20 gauge & driving note of R. at the very start I flushed a big Cock Pheasant in our orchard. He ran almost under feet, from a rocky hollow & gave me a fair shot which missed, being wholly unexpected for 5. Soon after this Jimmy started a hen Partridge in Birch Field. It happened to be her "tree" in a knoll by Pulpit Rock where I shot her. An hour later I entered the corn patch in Berry Pasture where 2 hen Pheasants were within ten yards. It was a fair chance for a double shot but I found only one barrel & missed with the

Concord (Farm) -

My second Pheasant shot

Ther

Friday, Nov. 10, 1916

Wea

Redpolls here in flocks.

Fine

Brilliantly clear & no more than agreeably cool with gentle W. wind.

So Berry Pasture at 7 a.m. Scarec had I shown myself around south corner of brush heap. Near 2 hen Pheasants rose in alder thicket beyond the corn patch and hurried off at amazing speed, on whistling wings.

Only the first one gave me any chance at a shot & that a long one but I brought her down with a heavy charge of #4. On reaching the spot where she fell I could find only a few feathers so returned to the house for "Jimmy"

He took up the trail of the wounded bird at once & quickly found her in a ground juniper about 50 yards off. Sliding & holding her there without difficulty although she seemed very much scared for a British woman. Later in day we visited Birch Field twice flushing 2 Partridges their first foraging to get a shot at either. Near farm house saw 5 Juncos, one flock of 14 & another of 24 Horned Larks (as song), 2 Redpolls & a Goldfinch, a few Sparrows & a Crow. Another flock of Redpolls (12) flying over Birch Field near Pulpit Rock 10 a.m. are interesting assemblage of birds including 2 Goldcrests, a Creeper, several Chickadees, 2 White-crowned & 1 Canada Warbler, a Starling & a Downy Woodpecker. Spent most of day out of doors attending to various things. Hanson & Casper began work from 9 a.m. till 4 p.m. & George, leaving shortly. Hanson & Joe finishing up last bits of work. Hanson & I took up grape vines, dug holes for posts, mended logs for well etc.

Concord (Farm & Ball's Hill)

Three Shrike Thrushes at Pleasant

Ther ^{low} Saturday, Nov. 11, 1916 Wea
 30° min. 42° max. An unlucky day Glorious

Brilliantly clear with strong west wind
 very cool & bracing but wholly without chill.
 Altogether a rare day of late autumn type.

Flock of 40+ Crows migrating low
 S. W. in rather compact body, 9 a.m.

Fresh arrival of juncos; 25+ in
 Cedar Park, 15+ in Birch Field.

Redpolls heard repeatedly. 2 Jays.

Goldcrests & Chickadees heard near
 Purple Rock & also at Ball's Hill.

Eight yellowish brown Hawk (possibly an
 Owl) no bigger than a Broad-wing &
 shaped like one, seen flying (Butter-like flight)
 from an oak on Davis Hill, 3.30 P.M.

6 Pheasants in Billy Pasture, started on
 old cove from edge of corn at 7 a.m. & fired
 a long shot at him, in vain. Shortly after

2 huns appeared in front of house & some flew
 back to Billy Pasture. 1 followed & followed
 them in blueberry bush within 15 yds. having
 a fair chance for a double but missed both my
 first barrel & the second brought a cloud of
 feathers from the other bird that she kept on one
 of light flying freely with one leg broken & dropping
 soon after that flushed 2 crows & a hen but
 they all took cover & gave us no chance.

Spent forenoon about farm & in nearby
 woods cutting cedars for goose down pens.
 In Ball's Hill on P. Hill. Put away coats etc.
 beyond near to stone back porch.
 Walked back with 5-600 on Davis Hill.

Concord - Cambridge

Ther Sunday, Nov. 12, 1916 Wea
 30° min. 42° max. Dull

A drear overcast day, thin cloudy, chilly.
 with light northeasterly wind & a flurry of
 white, frozen pellets in P.M.

3 Crows flitting close about farm house in
 early morn, one with nut of corn in his beak.
 No other birds noted there but a flock of 15+
 juncos seen near Caribb Bridge.

Deciduous trees of every kind, excepting a few
 oaks, completely leafless now.

Closed farm house this forenoon & returned
 to Cambridge (10.20-11.25) via Bedford.

Dorchester, Arlington & Ipswich by Fresh Pond
 Strutting thru garden shortly after arriving there

I noted within ten or fifteen minutes

2 Chickadees, 2 Goldcrests, a Yellow-rump, 2
 Peabody birds (1 in, 1 at), 6 juncos (drifting through)

2 Downys (♂♀) & 1 Hairy Woodpecker (the latter
 rather shy heard), a Jay (heard)

One guest at dinner was Mr. & Mrs. Almy,
 Mary Almy, Allen Almy. They stayed
 until 4 P.M.

Miss Henders, C., E. R. S. & I spent evening
 in hall, E. reading "Something New" aloud
 Jimmy's lameness almost wholly gone.

Jimmy's lameness almost wholly gone.

Cambridge.

Ther

Monday, Nov. 13, 1916

Wear
Dull.

Slight cloudy, calm, intensely chilly.

In Garden: Chickadee & Kinglet (Gould's) heard; 4 Pine Squirrels in willow by Museum gate apparently gleaming food among terminal twigs & keeping up a subdued conversational chattering; a Fox Sparrow feeding in flowers beds took 3 Peabody birds two of which were handsome adults & one of them the self-same bird noted on the 9th as having a rather large space bare of feathers on right side of breast.

From our dressing room window, at 8 a.m., I watched a Gray Squirrel stripping off shreds of white inner bark of Linden branch (as thick as my thumb) and carrying them to its nest in the hollow trunk of the tree. Yesterday I saw three large Squirrels together here.

Spent most of the day in Museum working letters. Miss Balch dined with us at 1 P.M. We had reading & beetle music at evening.

Cambridge

Ther

Tuesday, Nov. 14, 1916

Wear
Stormy

Dark cloudy with chill N.E. winds. Heavy rain through last night, light snow fall this forenoon whitening the ground & tree trunks. Clearing sky & fast increasing cold at & after sunset. Altogether a dreary & depressing day.

In the Garden was visited by any birds save two & three House Sparrows they failed to attract my notice.

Spent entire day in Museum working letters & chasing for bills. Billcliffe called in forenoon to see about restoring the ancient fence on Brook Street and other old integrating woodwork. Autumn seems to have gone and winter begun. Such at least was my impression when hurrying to the post box soon after dark & it was confirmed by reports in evening papers of heavy snowfall & good sleighing in northern New England.

We had a prolonged beetle concert & some reading about in hall this evening.

Cambridge.

Ther Wednesday, Nov. 15, 1916 Wea
24° min, 30° max. Fair

Another wintering day, sunny for the most part but with occasional intervals of cloudiness, chilly throughout & decidedly cold at noon & eve, almost or quite windless - at least in our well-sheltered grounds. The thermometer on our back piazza did not register above 30° all day. Snow all gone by night.

The Garden well-nigh birdless. I noted nothing there except a Crow, 2 White-throats & a few House Sparrows. George Dean reports seeing a downy Redpolls in the willows near his barn this morning.

Spent day in Museum working letters. Walter Dean called in P.M. when we examined & compared with material of other specimens the leg of a Horvath Shrike. Charles Dean & Mr. Mershon at once. Jays. They thought the bird a Rough Leg but it was unquestionably a Red-tail.

Had my pair of mounted Heath's hawk photographed. This morning for Dr. Hornaday who desires a picture of them. He illustrates something he is about to publish. - looking about this morning

Cambridge. Dr. Mrs. Gracful
Est. no. Curlew

22 Ther Thursday, Nov. 16, 1916 Wea
26° 38° Crow with dead Yellow-rump. 7 in.

Surprisingly clear with fresh westerly wind. Cold & moon & eve, warmer through day. Half an inch of snow fell last night but melted before noon. In Garden, 9 A.M. flock of Redpolls (8 or 10) feeding in top of cane bush. Challenged by Museum gate, Yellow-rump Warbler flitting about actively in beech near tree feeding among terminal twigs, chirping cheerily every now & then. 12 o'clock noon. A Jay & 3 Crows in jungle.

One of the Crows, perched well up in a leafless tree, holding something under one foot & pecking & pulling at it vigorously. At first I mistook the object for a small flattened bird's nest. But the Crow brought it presently into a nearby Cherry tree where, through my glass, I saw that it was a dead Myrtle Warbler whose bright yellow-rump & other color & markings now showed plainly enough. As I could also see distinctly the Crow was chiefly engaged in pulling it freely out the throat and as he did at a time & tearing them aside to be thrown away by the living birds. Sometimes he drew his bill into his body but I failed to see him swallow or eat any of the flesh. At length he flung off after another & the other Crows followed. They did not make an attempt to rob him of his prize. That it must have been the Yellow-rump I saw above & speckled then hours before seems almost certain. I could not find the living one again.

Spent most of day working letters. Dr. & Mrs. Gracful called at 4 P.M. staying half an hour. He reports a number of Esquimaux Curlew seen.

Cambridge

Ther

Friday, Nov. 17, 1916

Wear
Stormy

Dark cloudy & intensely chilly with light easterly wind. Snow flakes began falling fitfully in forenoon & came thicker and faster in afternoon until by evening there was a "white world" again although its surface was only thinly covered with damp snow.

In Garden I noted only a Crow (or rony) a Jay & a few House Sparrows.

Spent day in Museum, writing letters & elaborating bird notes in Concord books. Chanced on an odd mistake, unnoticed all these years, in catalogue records - published ones of the Hudsonian Tit shot by me in Concord in October, 1870. As my original diary entry shows it was taken on Saturday the 29th of the month instead of on the 30th as subsequently reported in various connections.

Mrs. Almy called in P.M. to read letters from Helen Norton in France. We had usual Dictrola concert & reading aloud in hall, this evening.

Cambridge.

Ther

Saturday, Nov. 18, 1916

Wear
Fine

Early morning cloudy. Sun shining by 9 a.m. Remainder of day clear, calm, mild, the snow that fell last night melting rapidly & all gone before sunset.

In Garden heard a chickadee & saw a few House Sparrows.

Spent day in Museum working mostly on Concord bird notes. Two boys, 10 or 12 years old, Louis Thompson & Charles E. Walcott, South of Newbury Heights, called in P.M. to look at birds. They report seeing in Wren Orchard, last month, 3 Acadian Chickadees in company with several Black-capped ones. In the Fresh Pond marshes near the Glacials they found last June the Bittern, Least Bittern, Virginia Rail, Sora (abundant). A few Night Herons continue to haunt the shores of Fresh Pond. In this pond they have seen recently a ♂ Red-head & large numbers of White-throats & Gooseanders but only a few Black D. A Red-bellied Gull has been haunting the Glacials. They have seen a Murre in Fresh Pond.

We spent evening in hall reading aloud & playing Dictrola.

Cambridge.

Ther
42° max

Sunday, Nov. 19, 1916

Wea
Fine

Clear, calm, mild & serene.

In Garden, heard a Hairy Woodpecker utter its rattling outcry three & saw 2 or 3 House Sparrows. It is surprising that so few birds appear in this neighborhood during such mild & windless weather as that of yesterday & to-day. The Gray Squirrels evidently enjoy it and are out at all hours despite Jimmy's disturbing presence. There are at least three of them, all of the largest size. I saw one collecting wine bark of the linden again this morning.

C. & Miss Henders went to Church at St. Johns. I spent forenoon in Museum writing letters. Mrs. Sawyer, Miss Allen, George & Walter Deane dined with us on the last Pheasant & Partridge shot by me at Concord. The flesh of these two birds not only looked but tasted much the same.

Our guests departed at 4 P.M. Dick Dana called shortly after this & stayed about an hour. Victoria, Johnny & Dorothy also this eve.

Cambridge.

Acadian
Chickadees.

Ther

Monday, Nov. 20, 1916

Wea

Add. looking June. Cape May N. Fair

Partly sunny but mostly cloudy.
Chilly with falling temperature towards eve.

In Garden. No bird of any kind noticed by me until 3 P.M. when there was what seemed to be an abrupt incursion on the part of 4 Goldcrests, and a near Chickadee (heard only), a Fox Sparrow, 2 adult White-throats (both with undamaged breast plumage) and 2 Juncos. One of the last-named birds seemed to have a coal black head & neck and dark, rich chestnut back & flanks looking, indeed, like an adult ♂ Oregon Junco but I may have been mistaken in respect to this impression for he was seen only imperfectly, flitting through dense evergreens.

Worked on Concord note books all day. Nuttall Club meeting this eve. attended by 18 members including Dr. Bowditch, Oliver Lothrop, Owen Dwyer, Nat Francis, both Allens, Judge Jewry & Dr. Tyler.

I read Sparrow Partridge article from Warblers N. S. A flood of Acadian Chickadees. Dr. Tyler reports. He & Fay had seen several of a flock in one day in Belmont Cape May. Warbler than to-day.

Cambridge.

Shad Caught daily in ocean off Rockport.
Ther Tuesday, Nov. 21, 1916 Wea
22°, 26° Woodpecker party in Garden Fine

Clear & cold with light N.W. wind.
Despite the brilliant sunshine there
was a rise of only 4° in temperature
between 7 a.m. & noon according to
the thermometer on our back piazza.

A woodpecker gathering in Garden
consisting of a handsome pair of Hairies
& a ♀ Downy. At one time all three birds
were together in the Gravenstein apple tree
& later they appeared singly in the big
Catalpa by the Museum, the trunk of
which shows many recent peck holes
probably made by these birds in quest of
Eschscholzia moth larvae which have
especially favored this tree of late.
There were also in the Garden

2 Chickadees, an adult Peabody bird, a
Junco & 4 House Sparrows, a Blue Jay
& 2 Crows (seen on wing).

Spent day in Museum sorting letters

bird notes. Miss Emily Howard at lunch.

Johnson, our Boston fish dealer, reports
Shad Caught daily now off Rockport & passed
by him every morning. We had one for him
for dinner to night. It was fresh & delicious.
The Transcript says they are catching them in the

Cambridge

Ther Wednesday, Nov. 22, 1916 Wea
20° min. Shufeldt's Juncos revisits garden. Fine

Brilliantly clear with keen, fresh N.W. wind.
Wintery cold in early morn, milder as day wore on.

The odd-looking Juncos seen in Garden on Nov
20 reappeared there early this P.M. accompanied
by 3 ♂ hyemalis, a ♂ & 2 ♀♀. Standing motionless in
middle of E. garden path I watched all five birds
come hopping along it, feeding busily, until they were
within 3 or 6 feet of me. Being all the while exposed
to clear sunlight & on perfectly open ground I
viewed them to best possible advantage and
moreover was able to compare the peculiarly
colored one directly with examples of both sexes
of hyemalis in corresponding seasonal plumage.
Thus compared the former bird looked somewhat
larger than any of the others & was much more
richly & conspicuously colored. I had a dull black

head & neck, coral black chest, variegated cinnamon
blends, back & scapulars strongly tinged with
chocolate brown. After viewing it for several
moments I went at once into the Museum & looked
over specimen skins. One of these that interested me
best (& very closely) was labeled Shufeldt's net
long since by Robert Ridgway. Hence the stranger
bird may be safely regarded as belonging to
that race. Equally sure it was a ♂, later still
the 4 juncos with 2 white throats came close under
my window to feed on sweet feed that I scattered there.
Besides this I noted 2 Goldfinches, 3 Chickadees, 2
Jays & a Titmouse, all about 2 P.M.

Spent day in Museum sorting our Gould
notes. E. & R. L. read to us in hall this evening.

Hudson River, also for the first time as this season, in many years, then
occurred in the ocean near Rockport seems even more surprising

Barnbridge - Concord - Cambridge.

Ther Thursday, Nov. 23, 1916 Wea
Stormy.

Cloudy & very warm with strong S.W. wind & heavy rain from noon to after dark.

In Garden: Canada Nuthatch (2 on cherry tree), Shufeldt's juncos 3, with 2 Eastern juncos, 2 ad Peabody birds & 15 House Sparrows, eating millet seed put out for them near Museum.

Concord (Farm): 1 Chickadee at street, (15) Thrushes & a Cock Pheasant in Berry Pasture, 1 ♂ House Sparrow in Forsythia bushes.

Walter Deane came down to see the Shufeldt's juncos at 9 a.m. & had a good meal of him from Mrs. Winch. He looked richer colored than ever before, I thought; - almost enough so for Oregonus.

Gilbert & I motored to Concord (10-11.40 a.m.) via Arlington, Lexington & Bedford. River frozen over completely at Cambridge Bridge. Not a single bird seen on the way.

At Farm found Mowbray & Catpaw at work. Paid them in full to drive Wall in front of house completed. Country here & elsewhere looking. Walked to Barns Field in Farm.

Motored to Concord & took 3.44 train back to Cambridge.

Cambridge.

Ther Friday, Nov. 24, 1916 Wea
54° max. A strong easterly.

Clear with boisterous westerly wind and slowly falling temperature which, however, was almost summer like through greater parts of day & no more than seasonably cool at evening.

In Garden: Goldcrest & Blue Jay heard, Peabody bird (ad.) juncos (2) and about 15 House Sparrows, feeding on millet seed.

Working all day in Museum on Concord bird notes of last spring.

Shortly after luncheon there came a sharp rap at the door which I entered, Gilbert being away. Entered a tall, dark-haired, smooth-faced young man wrapped in a long light gray overcoat. He asked to see "my son" & when I denied ever having one he stared at me long & fixately with piercing eyes as if doubting such assurance, then he enquired if I were a sportsman adding that he & his father had killed 5 Peabody birds on the last open day. Altogether he acted rather strangely. I learned later that what name had been the self-same youth had called at the Cobb-Parkers about the same time asking to see their horses & assuming to come from the Arsenal's office. I reported all this by tel. to Police Officer E. Hunt to see this man. C. & I found it together. I read over news & played bridge.

Cambridge

Ther Saturday, Nov. 25, 1916 Wea
 22° min. Shufeldt's Junco Fine

Clear & cool with high N. W. wind.
 Unscathed by recent hard frost the city
 lawns continue almost as vivid green as
 they were a month ago. One own particular
 one was studded in spots with claudium
 (not hawthorn) blossoms when I last crossed
 it a few days since.

In Garden: a Chickadee, 2 Goldcrests,
 2 ad. Peabody birds, 1 House Sparrow, 5
 Juncos (2♂♂, 3♀♀) and the Shufeldt's Junco (♂).

All the Tringillinae birds just mentioned
 assembled in late P.M. to feed on millet
 that I put out for them in a tiny bed near
 my museum window.

Henry M. Spelman, who called at 5 P.M.,
 reports seeing an immense flock of Golden-cup
 Ducks ("hundreds of them") passing S. over
 his place early in the morning a few days
 since, their wing beating loudly. I
 hear of very many in Fresh Pond & Lake.

Worked all day on Concord bird
 notes. Those made last spring nearly completed.
 Rounding about & dictating notes this evening.

Cambridge

Ther Sunday, Nov. 26, 1916 Wea
 22° min. Ruthven Dean done with us. Fine

Clear & cold with strong N. W. wind;
 - a harsh, blistering day out of doors.

In Garden: a Chickadee, Goldcrest (♀),
 Hermit Thrush (on ground under beech tree
 on lawn), Hairy Woodpecker (♀ in apple tree),
 Downy (heard), Blue Jay (heard), 2 Peabody
 birds (1 ad. in), 6 Juncos (2♂♂, 4♀♀),
 25+ House Sparrows - in all, 9 species.

The ever-shifting numerical make-up
 of the Junco flock seems rather surprising.
 Although increased to six birds to day - the
 greatest number seen since Dec. 12th - it did
 not include the Shufeldt's Junco. I hope
 he has not fallen victim to a black & white
 cat! Mrs. M. Millan's house has at least
 twice invaded the garden of late although
 once barely escaping Jimmy's eager jaws.

Letter writing in forenoon - somewhat
 interrupted by a call from Harry Spelman.
 He had Ruthven Dean, as well as Miss Allen,
 at dinner. He stayed on until 6 P.M. & I
 had a delightful talk with him. His right
 shoulder is very lame & has been for months.

Cambridge - Concord.

Ther Monday, Nov. 27, 1916
34° min 50° max

Wear Fair

Clear with blustering but not cold.
S. W. wind & rising temperature.

In Garden: Hermit Thrush (flying from
linden by my window in lawn evergreens)
Chickadee & 2 Goldcrests, Shufeldt's Junco
(3), Eastern Tanager (5 or 6), Peabody bird (2)
and a few House Sparrows feeding on seed
bed of Museum at 9 a.m. 2 Gulls on wing.
Spy Pond 30+ Goldeneyes near shore
at N. E. end of pond below Phoebe's Stream.

Concord Farm, Goldeneye pond, 10-15
5 grey-breasted Redpolls eating bark bugs in cedar trees.
15+ Juncos feeding in stable below orchard.
5 in stable yard; 2 Partridges in
Birch Field (flushed among downy juncos).
Geese reports Pheasants at Kitchen place
dearly of late.

Gilbert & I left Museum at 11.10 &
motored to Concord via Arlington, Mass.
& Bedford reaching Farm at 12.10. No
land birds - not even a Crow - seen on whole
way. Spent afternoon with Burbank & Geary
cutting small ferns (for Christmas greens &
winter covering), mostly in Birch Field.
Leaving at 4 p.m. home. Still green.

Concord - Cambridge.

Ther Tuesday, Nov. 28, 1916
48° max

Wear Fair

Forenoon sunny; afternoon only partly so.
Strong S. W. wind; cool but not chilly.

At Farm: Crows cawing at sunrise. 3 seen
later, on wing. 3 Chickadees near Pulpit Rock,
25+ Juncos in stubble, others flitting hither &
thither through orchard. One Tree Sparrow
with Juncos, another in Berry Pasture.
♂ Starling "stirring" in tree top near
bible school house, Redpoll heard overhead
repeatedly but only a single one seen.

Spent most of day out of doors looking
after innumerable things with the help of
Burbank & Geary. We started in the forenoon
cut yesterday & covered beds of bulbs with
part of them selecting out others to be
sent to Cambridge later. Burbank
killed 4 young Turkey gobblers (10-12 lbs)
one for one Thanksgiving dinner, three to be sold
Morton & Capron. Skinning took at Kitchen place.

Gilbert motored me to Concord where I took
3.44 train for Cambridge. Edward Emerson
sat with me. He looked badly & complained of
weakness after his recent illness (the grippe).

Cambridge.

Ther 48° min. 66 max. Wednesday, Nov. 29, 1916 Wea Fine

Sunny but hazy. Almost windless and the warmest day for weeks making our furnace-heated houses well nigh unendurable even with several windows opened wide.

Great numbers of small, yellowish moths on wing, entering our house after dark. They looked to me like those of the Cowbird species.

In Garden. Very tame Hermit Thrush in glass, Chickadee, Goldeneye, Blue Jay, Hairy Woodpecker & Flicker heard calling; 2 Crows on wing.

The Striped Grouse with 6 Eastern Grouse, 2 Peabody birds and about 15 House Sparrows feeding on millet seed by Museum on Hill. Spent most of day in Museum, working letters in A. M., working on Concord bird notes in P. M. Called up State Dept. office at Concord & asked to have some one sent to Fitch's place this afternoon to make sure that Mosson is relaying is rightly located. The millman man I talked with promised to have this done.

Miss Stinson bunched & Loring Fuller dined with me. Loring Simonson stalled for Bangor by 9 A. M. train.

Cambridge.

Ther 64° max. Thursday, Nov. 30, 1916 Wea Stormy.

Dark cloudy with incessant heavy rain which began about 10 o'clock last night. Unseasonably warm in early morn but cooler towards night. Grass on our lawn very green.

In Garden: Hermit Thrush seen flying into leaves near of house; Dove heard calling; Striped Grouse with 3 Eastern Grouse, 2 Peabody birds & 7 or 8 House Sparrows feeding on millet near Museum.

Read morning paper to C. after breakfast and then spent two or more hours in Museum reading & working notes.

We had as guests at our Thanksgiving dinner Mrs. Leavitt, Mrs. Sawyer, Mary, Elizabeth, Jennie & Emily Chapman, Mrs. Cobb & Loring Fuller. A young turkey gobbler raised at our farm & weighing 12 lbs was served & passed simply delicious. All our friends departed by 3 P. M.

Mrs. Leavitt has evidently not recovered as yet from his recent illness. He seemed very unlike his normal self.

C. & I spent whole evening trying a lot of new or recent recipes. We shall keep few, but of which are a few of the best.

Cambridge.

Ther

Friday, Dec. 1, 1916

Wea
fine

Clear & rather cool yet not frosty.
Light westerly wind. City lawns vividly
green. Little if any frost left in ground.

In Garden. A Goldcrest, a Blue Jay
and some 25 or 30 House Sparrows,
the last-named assembling to feast
on millet seed put out within the
hope of attracting the juncos, none
of which reappeared. Nor were the two
Peabody birds seen.

Spent most of day working on Concord
field notes. A. C. Bent called in P.M.
to measure specimens of Black-throated
& Pacific Loons in my collection.
He is inclined to consider my supposed
recorded Islands Guillemot from Cape
Whittle an immature Black Guillemot.

C's friend William Hayward dined
with us & spent the evening.

Cambridge.

23

Ther

Saturday, Dec. 2, 1916

Wea
fine

Clear & cool with keen northerly wind.

In Garden - 4 juncos (♂♀♀), 1 Peabody bird
(adult), 20+ House Sparrows.

Spent most of day in Museum
working on Concord bird notes.

Walked down to Mus. Comp. Tool.

at 11 A.M. ~~Had~~ a good talk with
Sam Henshaw but saw no one else
except Octavian Bangs & him I met on
the way down driving his motor car
& accompanied by his wife.

Returned in time to lunch with E. R. S.
who came back from Bangor last night
reaching here at 8.30 this morning.
C. lunched at Twentieth Century Club with
Fred. Walker & heard Tom Osborn there.

Tarver & Tyler called at 3 P.M. to
see the Shufeldts juncos but were disappointed
in this for he did not appear in the Garden
to-day. Nor did the 4 Eastern juncos come
until afternoon. C. spent evening sleeping in
her room. E. R. S. read to me in hall.

Cambridge.

Ther

Sunday, Dec. 3, 1916

Wear
Fine

Cloudless, windless, just agreeably cool with dry, crisp air & mellow sunshine. City lawns still green. No frost left in ground or ice in Charles River. Hence there is little or nothing in the general aspect of our environment here to indicate that autumn is past & winter begun - at least according to the calendar.

In Garden: 2 Juncos & 20+ House Sparrows came to eat millet seed on the tulip bed, a Peabody bird called at sundown in the rhododendrons near my study windows & several Crows flew over, carrying loudly, in mid-afternoon. That was all the birds I noted.

Writing letters through forenoon & Concord bird notes in late afternoon. Miss Allyn our only guest at dinner. After it I played for her several of our most beautiful recent records which she greatly admired. E. K. S. read aloud to me from 7.30 to 9.30 P.M. & I can hear a little better music afterwards.

Cambridge.

Ther

Monday, Dec. 4, 1916

Wear
Dull

Cloudy with a little fine drizzling rain at intervals. Mild & windless.

In Garden. A Chickadee, Peabody bird, 2 Juncos, about 10 House Sparrows, 2 Jays, 2 Crows (on lawn), a Downy (♀).

Spent day in Museum working on Concord notes. Nuttall Club meeting this evening attended by only ten or a dozen members. Annual election of officers all those serving through past year being re-elected. No regular paper but many interesting field notes, testimony especially to the exceptional member & variety of irregular winter bird visitors. Acadian Chickadees reported from various places. Judge Jimmy & Dr. May saw 10 or a dozen at Springfield & Mr. Hoxsey about as many near Cohasset. Pine & Downy Grosbeaks, Redpolls & Pine Siskins, Crossbills of both species are all to be found in suitable localities near Boston at the present time.

Barnbridge

Ther

Tuesday, Dec. 5, 1916

Wea
Mixed.

Partly sunny but mostly cloudy with occasional light showers of fine rain.

In Garden: an usual dearth of birds only a few House Sparrows being seen and a Junco & a Crow heard; also a White-bellied Nuthatch in lindens.

At 10 A.M. C. & E. R. S. motored with me to Lowell Street Schoolhouse where we cast our votes at Annual City election - in which my little interest has been taken this year.

Devoted the remainder of the day to teaching my wife, a doleful occupation which gave me little satisfaction although it has become imperatively necessary the present with having been drawn almost 20 years ago - since when conditions have undergone many changes that affect baggage.

Harry Baith called at 8 P.M. staying until 9.30. We read a little after he had gone.

Cambridge & Concord.

Ther

Wednesday, Dec. 6, 1916

Wea
Fine

Barred Owl.

Clear & cool but not frosty. Raging N.W. wind driving cloud masses across sky.

Leaving Cambridge at 10.04 A.M. Gilbert & I motored to Concord via Arlington, Lexington, Bedford & Carlisle Bridge, reaching Farm at 11.04. Five Crows the only birds seen along the way.

We were chilled through by the keen & tempestuous wind, although warmly clad & despite a temperature 10° above freezing.

Found Moore working on wall at Titicut place which he had almost finished along the Monument Street side. Descended in the old farm house by a blazing fire.

After that went with George to the Birch Island wood lot & authorized him to cut, this winter, all the oaks (now dead) on the right (south) side of the cart path. Saw (5) Chicadees, 2 Goldcrests, 1 Redpoll, a Partridge & a Barred Owl & heard a Downy W. The Owl started about

over me from a tall fallen pine on Knoll at N.E. corner of Birch. It lit & flew heavily off through trees until lost to sight in the legs and feet showing for the first few rods after it left its perch, but it finally drew them up among its branches.

Motored to Concord & left before train taking 3.44 train back to Cambridge.

Cambridge - Boston

Ther
42°

Thursday, Dec. 7, 1916

Wea
Fine

Clear & cool with fresh N.W. wind.
no frost in ground or ice in even the
shallowest pools. City lawns continue very
green.

In Garden: 2 Chickadees, a Peabody bird (ad)
6 House Sparrows, a Jay & a Downy heard.

Wrote three letters after breakfast & then
went to Boston, reaching our office at
11.30 and remaining there most of the time
for next four hours. Talking with Arthur,
Galloupe & Darling. Also saw Mr. Brown
at 53 Devonshire St. leaving with him a copy
of a new will I desire to have executed, which
he brought, later, to our office & discussed with
me. Lunched at Marton's, called at Hooper
& Marton's for a 1917 diary & then
returned to Cambridge by a crowded
subway train. Met Arthur Robbins in it
and Dick Dana in Devonshire Street.
Home by 5 P.M.

Cambridge

Ther

Friday, Dec. 8, 1916

Wea
Fine

Brilliantly clear and almost windless
the air cool, dry & bracing but not cold
enough for frost, of which there has been
no recent visitation, strange to say.

In Garden: 3 ♂♂ uncles feeding on miller
seed, Downy W. heard, Blue Jay flying over.
On lawn: 6 big, glossy black Crows feeding
together on turf, into which they thrust their
bills, also stalking in under a spreading
beech tree whose they tossed fallen leaves about
searching under them for food. As we
watched them E.R.S. suggested that as
some one once said of Frank Sanborn "they
"had an awkward grace of their own".

A Gray Squirrel kept approaching & making
abrupt rushes at them, to avoid which
they would rise & swing & fly a few yards.

Spent most of day in Museum
working on Concord notes. L. went in
train to St. Pauls but returned in train
for lunch. He had reading along &
lectured music in the evening.

Cambridge

Ther Saturday, Dec. 9, 1916 Wea
Sparrow hawk, missus Flicker, Dull

Sun shining feebly on hoar-frost-coated ground in early morn but soon obscured by gathering clouds from which descended a fine drizzling rain still later in the gloomy day.

From an eastern-facing window of our house I noticed, about noon, a Flicker in the top of an elm. A few seconds later it dashed off hurriedly, closely pursued from the very start by a ♀ Sparrow hawk who, however, failed to overtake it, doubtless because not caring to do so, and after chasing it across the lawn wheeled abruptly and perched on the very topmost twig of the big horn chestnut that stands at the corner of Brattle & Sparks Streets, remaining there for several minutes.

Besides these two birds I noted, during the day, only two others, a Jay & a Downy, both heard calling in the jungle.

Worked all day on the bird notes made at Concord Lake Spring; practically finishing the enlarged transcript of them. Reading aloud & backbone music in hall this evening.

Cambridge

Ther Sunday, Dec. 10, 1916 Wea
Fine

Clear & cool with light westerly winds. Thin sheets of white ice glistening in the sunlight when yesterday's rainfall had collected in shallow pools.

In Garden 4 Chickadees (one at snail) a Goldcrest (heard), 3 or 4 Juncos, a Downy (in lindens) 3 Grosbeaks (on wing).

Wrote letters in Museum after breakfast & again in late afternoon. Leaving the house at noon I walked up Brattle Street to Concord & meeting Mr. Scudder there turned back with him & on kept on together as far as Mason Street where I returned alone. Additions to old Nichols house about completed. It has been painted brown with white trimmings chimney and front fence which has a new gate & gate posts set in from sidewalk & very pleasing. Mrs. Sawyer & Miss Allyn dined with us. I escorted the former to her home at 3 P.M.

E. R. S. read aloud to C. & me after supper & I plumped some figures on backbone.

Cambridge - Boston

Ther

Monday, Dec. 11, 1916

Wear
Mixed

Forenoon sunny & calm. Clouds gathering in afternoon. Rain falling briefly not long after dark.

The Garden apparently well-nigh deserted by birds. Noted there only a Chickadee (heard) a Downy & a few House Sparrows.

Wrote letters for a couple of hours after breakfast and then went to Notman Studio, Harvard Square, to be photographed - for the first time by a professional in many years. More than a dozen plates were used & the light was good. Then I went by subway to Boston & our office where I saw Arthur & Gallagher. Lunched at Marlboro & called at 5-3 Devonshire St. where I saw Mr. Barrett & Mr. Brown & requested the latter to change, somewhat, a clause in my will relating to the disposition of my books. Finally went to Vendome Hotel & engaged rooms for our Christmas there. Home by 4 P.M. Usual reading aloud & Cecilia concert this evening.

Cambridge.

Ther

Tuesday, Dec. 12, 1916

Wear
Stormy

Dark cloudy with incessant rain, driving rain which changed to snow by 3 P.M. but melted as it fell & scarce whitened the ground when it finally ceased after dark. Altogether a very cheerless sort of day & also an uncomfortably chilly one out of doors.

In Garden: 17. Jay & a Chickadee heard, several House Sparrows seen.

Devoted entire day to letter writing - of which there seems never an end. Gilbert went in town for records bringing out about twenty mostly by Paul Reimers & by the Trinity Choir. We tried the former this evening and found among them three or four of exceptional beauty. There were also a few duplicates of records already in our collection which I ordered to send to Dan or Margaret at Christmas.

Cambridge

Ther Wednesday, Dec. 13, 1916 Wea
24°, 34° Fine

Clear and frosty with strong, keen N. W. wind. Ground powdered lightly in places with snow of which there is more than an inch at Concord, according to Percy.

In Garden. 2 Junco's & 7 or 8 House Sparrows eating millet seed; a Chickadee, Jay, Dove & Crow, heard in jungle at various times. A Sparrow which I took to be a White-throat but failed to see was chirping excitedly in the lilacs at noon.

Worked all day on transposition of bird notes from monthly lists in the back of this diary to the larger "Garden" book in which they are brought together under species, for more convenient reference & permanent record.

Alice Stone dined with us. I called at the Fairchild's after supper taking the handsome tail of the male Pheasant shot at Concord for "Cousin Sally" who seemed pleased with it.

Cambridge

Ther Thursday, Dec. 14, 1916 Wea
23° Fine

Clear and almost windless yet a rather wintry - seeming day because of the intensely chilly air & wan sunlight.

Bird life in Garden at low ebb now. Heard a Chickadee and saw several House Sparrows but noted nothing else. The Goldfinches, Junco's, Woodpeckers etc. that appear only occasionally must have other nearby haunts that suit them better or else a range so varied or extensive that they cannot visit us either regularly or very often. They seem most likely to do so when the weather is calm & mild but sometimes come when it is blustering & cold or even storming.

Spent day in Museum working on Concord bird notes made this autumn. Sally Dearborn lunched with us. I have not seen her before for a long time.

Mrs. Almy called at 4.30 to read to us letters written by Helen in France & by Cabot in Texas - all very interesting. E. L. S. read aloud two very

Cambridge

Ther

Friday, Dec. 15, 1916

First heavy Snow Storm

Wea

Storm

Winter here at last. Snow flakes, beginning to fall at breakfast time, came thick & fast not long afterwards until by noon the ground was carpeted with them an inch or more in depth and by 9 P.M. - when the storm ceased - to a depth of some five or six inches. Hereafter we must expect slippery or slushy side walks and the penetrating chill of snow-cooled air - both of which I dislike exceedingly.

In the Garden I noted only two birds a Chickadee that came twice to a lump of suet suspended within a yard of my study window & an immature White-throated Sparrow eating dead Nightshade berries, in the berries that overspread the Rhododendron that had been further away.

I sat all day long at my desk in Museum writing letters & composing bird notes from diary records made at Concord during the autumn. C. & S. R. S. kept the thing here this evening. I passed it along, ready to be used.

Cambridge

Ther

Saturday, Dec. 16, 1916

Birth of Prof. Munsterberg.

Wea

Fair

Clear & cold with harsh N.W. wind. Everything buried beneath new-fallen snow a foot in depth, Percy thinks, but no more than 8 inches, according to the newspapers. Gilbert reports it so badly drifted in Concord roads that Burbank had difficulty in getting to town with our supplies this morning. It has no less completely than abruptly replaced autumnal by wintry conditions throughout the land. Rather many sleighs passing along our city streets with pleasingly tinkling bells. Hares came they all come from in these days of superabundant motor vehicles. The latter were not out in anything like their usual numbers although apparently unimpeded by the snow.

Only a solitary Chickadee seen & a Downy woodpecker, in the garden.

Wrote letters & bird notes. Mr. Lincoln, the photographer, called at 10 A.M. to show me some beautiful "inlaid" birds. Harry Spelman at 5 P.M.

Prof. Munsterberg's dropped day for the winter.

Cambridge.

Ther

Sunday, Dec. 17, 1916

Wea
Fine

Clear & cold with keen northerly wind.
No melting snow, even in sunniest nooks.

In Garden, a Chickadee at Suet; a Goldcrest heard; an adult Peabody bird feeding on millet seed with 40+ Hairy Sparrows in spot where ground has been cleared of snow; 2 Purple Finches (new-comers) in plain gray fl., eating fruit of Parkman's apple with which the tree is most abundantly supplied & none of which has hitherto been touched by birds or squirrels before this autumn; a ♂ Hairy Woodpecker, with red on nape divided into two widely separated lateral spots, hammering loudly at trunk of Catalpa tree by Museum; 3 Crows on wing, cawing vociferously.

Spent forenoon in Museum working over rough draft of new will drawn by Mr. Brown & received from him yesterday. C., who heard & read this morning, heartily approves it.

With F. & the Spelmans dined with us on a Big Turkey gotten from the Farm. We all thought it unusually good. They stopped until 4 P.M. & wrote several letters after that. Reading aloud & Victoriana music this evening.

Cambridge - Boston

24

Ther
/4°

Monday, Dec. 18, 1916

Wea
Fair

Morning sunny; afternoon cloudy & chilly. Very cold last night. Almost windless through day. Fine sleighing throughout Cambridge. Horse-drawn vehicles on runners apparently outnumbering motor ones, even in Boston where, however, the horses were constantly slipping & not infrequently falling, the streets were so very slippery with snow & ice.

In Garden: a Downy heard; a Purple Finch seen in Parkman apple tree.

Went in town at 10.30. At office most of time from 11.30 to 3. Mr. Brown called on me there at 2 P.M. to talk over draft of my new will in which we made a few changes. We also opened & read C's will (1917) at his request & I brought it out to her afterwards. Saw Arthur, Gallinger & Darling. In lower office sold at 65 3/8 ten shares U.S. Rubber, common, bought several years ago at 46.

Dunched at Marston's, left office about 3 & stopped at Harvard Coop. on way out to buy Christmas cards, shoes, overcoat etc. Walked up from Square with Hairy Spelmans. S. R. S. went to Mrs. Edes' supper party on 8. I read aloud & played Victoriana to S., "Casting" the Nuttall Club meeting.

Cambridge

Ther
20°, 30°

Tuesday, Dec. 19, 1916

Wea
Dull

Cloudy skies and cold more penetrating than the actual temperature seemed to warrant. Still confirmed the newspaper prediction of an impending snow storm which, however, has not as yet materialized. The snow that came last Friday remains everywhere unmelted and the sleighing is excellent.

Garden Birds. Only a Chickadee heard & a few House Sparrows seen.

Wrote letters in forenoon, Concord bird notes in afternoon. We passed the evening, as usual, in the front hall about a cheery open fire, listening to reading aloud by S.R.D. and afterwards to music from the Victrola.

The aquaria are all teeming with interesting aquatic life representing the customary assortment of fishes, snails, tadpoles etc. The bulbs promise well but only "papua volantes" have blossomed as yet. My old aralia already has a few blossoms.

Cambridge.

Ther
20°, 32°

Wednesday, Dec. 20, 1916

Wea
Fine

Brilliantly clear with little or no wind and crisp, dry air, seasonably cold in early morning, rather chilly at evening. Altogether an enjoyable winter day of "weather-breeder" type, however.

Garden Birds. 2 Purple Finches in gray fl., eating seeds of Parkman's apple within a yard of Gray Squirrel similarly engaged; a Jay screaming; a pair of House Sparrows flitting to & fro.

Spent entire day in Museum, arranging for Christmas things, writing letters & compiling Concord bird notes. I also attended to Bedford meeting Burbank there & bringing back four junco which I had selected & left for him to care for Christmas trees.

"We Dine" met at Batchelder's this evening. Everyone present except Jackson & Bent - who has just resigned.

Usual delightful time. I sat at table between Jeffries & Goodale. Afterwards talked with all. Home by 11.30.

Cambridge.

Ther Thursday, Dec. 21, 1916 Wea
Annual Serenade by Buckingham
School Children, under our conductors

Dark, cloudy & intensely chilly with a little fine rain freezing on everything it struck. About 2 inches of soggy snow fell last night. Sidewalks very dangerous.

Garden Birds. Only a Flicker & a Jay noted. Martins stayed long. House Sparrows apparently altogether absent. So also were the Purple Finches from the Parkman's apple tree, although a Gray Squirrel was eating its fruit. Perhaps his presence accounted for their absence. The Peabody bird has not been seen since the 20th.

My photographs, taken by Notman came this morning and seem very satisfactory. There are three dozen from four different negatives. I spent entire day signing, dating & otherwise preparing them to be sent away, most of which were mailed by Gilbert when he went home at 6 P.M.

Our evening spent as usual with reading aloud by E., followed by bedtime music.

Cambridge.

Ther Friday, Dec. 22, 1916 Wea
First heavy rainfall for many weeks. Stormy

A most gloomy & depressing day, dark cloudy & also densely foggy, with heavy rain falling almost ceaselessly flooding streets & sidewalks with intermingling water & slush, settling the snow away where to much below its former level and bringing to an end the perfect sleighing conditions of the past week. Violent N.W. gale to night, ~~with~~ velocity 80 miles (fide Weather Bureau). In Garden: a loud-screaming Jay; half-a-dozen or more chattering House Sparrows; a White-throated Sparrow uttering its metallic chirp at nightfall somewhere very close outside my study window. These were all the birds I noted.

Devoted entire day to writing inscriptions on Christmas cards & packages. My recently-taken photographs were nearly all disposed of in this way. C., E. R. S. & I opened gifts this evening. I had only a few but more are likely to come later. We were all very tired.

The Buckingham School children had by this time been in the snow-drifts for some time. The children were very busy.

Cambridge - Boston

Ther

Saturday, Dec. 23, 1916

Wea

Fine

Clear and cool with violent
N.W. wind, dying away at nightfall.

Garden birds. A Chickadee, a
Peach-bird heard chirping, a Flicker
(B) eating Parkman apple & about 80
Hawthorn Sparrows.

Spent most of day in house &
Museum, sorting letters & making
various preparations for our
Christmas stay in Boston. C. &
E. R. S. met in before noon,
& followed by subway car at
twilight fall. We have a pleasant
suite of rooms at S. E. corner for the
ladies & a back room for me, all
on the 2nd floor. The hotel

seems attractive in every way
& the food unusually good.
E. R. S. & I dined together at 7.
C. was too tired to come down.
I scraped acquaintance with a Mrs. Boring
in smoking room, very agreeable woman.

Boston (Hotel Vendome)

Ther

Sunday, Dec. 24, 1916

Wea

Fair

Sunny for most part & seasonably
cool with moderate northerly wind.

Spent most of day in the hotel
but called on Frank Manning at
3 P.M. staying about an hour.

Miss Holman & Miss Harkness, coming
from Lancaster, joined us early
in forenoon. C. has developed a
throat cold & did not venture out
all day but spent most of it in
bed although with us at breakfast
& luncheon in the dining room.
I passed several hours in smoking
room talking with various other
guests. None of these asserts that
Dr. Hugh Cabot said in his hearing last
night that he (Cabot) recently met a
German prisoner in France who was
with him at Harvard & who refused at
first to believe that England was not
wholly overrun by Germans & in their
possession!

Boston (Hotel Vendome)

Ther
34°

Monday, Dec. 25, 1916

Wea
Fair

Light snowfall over night & scattered flakes still floating earthward as late as 8 a.m. Soon after that the sun appeared & shone through most of day which was calm & not cold. Altogether very admirable & fitting conditions for Christmas. We passed it in the Vendome, E. R. S., who arrived in Cambridge, being the only one of our party to go out all day. We were joined at dinner by Frank Manning & Miss Swasey who stayed an hour after it. Harry & May Cunningham called in mid P.M. After they were gone we had a Victrola concert for an hour or so. Another concert by the Van Vleet Orchestra Club given in the hotel parlor & lasting from 7.15 to 9.15 P.M. was greatly enjoyed by us all. To me it seemed the most beautiful one I have ever listened to anywhere. After it I had a late supper & a talk in smoking room with Mr. Bailey.

Boston - Cambridge

Ther
18°

Tuesday, Dec. 26, 1916

Wea
Fine

Clear & cold with fresh N.W. wind

In Garden - White-throated Sparrow

heard calling after sunset

Hubbard Park. Flight call of Redpoll heard near head of Lower Sparks St.

We had breakfast together at the Vendome & separated soon afterwards. C. & E. R. S. motored out to Cambridge in a Chas. Riv. Garage car which started, somehow, before chauffeur was in & came near running to smash across Dartmouth St. Just was for turning & I stopped in time to avert that.

I went to our office & remained there most of time until 2.30 P.M. Signed all the quarterly Chagnon & Saw Arthur for last time, probably, as he leaves Boston for Porto Rico on Friday.

Lunched at Marston's. Home by 3 P.M. wrote letters & Chagnon until 5.

J. K. Lord called at 5.30, staying half an hour. C. spent evening in place where we read about a hour or more.

Cambridge.

Ther Wednesday, Dec. 27, 1916 Wea
Stormy

Dark cloudy with sleety rain
freezing instantly wherever it struck
on board, brick or stone sidewalks
rendering these exceedingly perilous to
travelers save where they were kept
liberally coated with sand or ashes.
Day light began to fail as early as 3 P.M.
after which I had to ~~small gas~~ use
electric light.

Garden Birds. A Chickadee, a White-throated
Sparrow (seen in bushes by Keston Steps
at 9 a.m.), a ♂ Flicker (eating Tadmor
apples, a few House Sparrows & a
single Robin Jay.

Spent day in Museum writing
acknowledgments of Christmas gifts.
We have had less of these than
in former years & none of which
possess especial value or interest
but pretty Christmas cards from
old friends have come plentifully.
C. kept to her upstairs rooms where we
all sat & read or listened to the radio.

Cambridge

Ther Thursday, Dec. 28, 1916 Wea
Dull

Another gloomy day with densely
clouded sky from which light, drizzling
rain fell occasionally. The clouds thinned
at sunset when the temperature fell
decidedly & a cold northerly wind began
to blow.

In Garden no birds seen or heard save
House Sparrows.

Spent day in Museum writing
letters and cheques in payment
of December bills.

Gilbert went in town and brought
out a lot of Victor records selected
from the January list. We played
them all this evening but found
the majority undesirable while the
half dozen that will be kept include
only two that are especially good.
Among those rejected are one sung
by Gluck, another by Homer, a third
by Gluck & Homer, all of which
found disappointing.

Cambridge

Ther
20°, 26°

Friday, Dec. 29, 1916

Wea
Fine

More Cambs. Reg. bird notes
from Lovell & Walcott.

Bleak & cold with keen N. W. wind.

Garden birds: a Chickadee, a ♀ Junco (seen at sunset in rhododendron within a yard of my study window), a Peabody bird (heard chirping just before the Junco was seen & apparently in the same bush), half a dozen or more House Sparrows.

My diary record for yesterday should have mentioned that Lovell Thompson & Charles F. Walcott called at 3 P.M. to tell me that they had seen two ♀ or juv. Hooded Mergansers in Spy Pond on Dec. 2 & one on the 8th; also two Rusty Blackbird, with very "rusty" bodies, feeding on the ground among bushes at the edge of Beaver Brook when it leaves Hook Meadow, in December 23 and a few of about 14 Inuit in that same locality on Dec. 26. They seem truthful lads whose accuracy of statement concerning their observations I have no inclination to doubt.

Spent day in Museum writing letters & jostling up bird notes in various record books. E. confined to his room by a cold & S. R. S. at her Bed all the evening which I passed alone in my "den".

Cambridge.

Ther
16°

Saturday, Dec. 30, 1916

Wea
Fine

Bleak & cold with brisk N. W. wind.

Garden birds. A Chickadee eating "seed"; a White-Throated Sparrow, flicking at sunset, with hissing chirping (similar to that of so many other of arrows), through the rhododendrons just by my study window; half a dozen or more House Sparrows seeking bread in the clothes yard; a ♂ Flicker perched in the beech near the rear when its trunk has recently been stripped of bark doubtless by a Flicker & probably by this identical bird although his guilt in the matter cannot be more than assumed at present. Nor is the trunk likely to be injured further by him or any other for I had Percy envelope it in wire mosquito netting this afternoon.

Spent day in Museum compiling & elaborating field notes made at Concord during the autumn. E. better of her cold. She came down stairs this evening & listened to Victor's music.

Cambridge.

Ther
8°, 24°

Sunday, Dec. 31, 1916

Wear
fine

Cloudless & almost windless. The coldest morning of the winter thus far. Temperature rising slowly through day.

Garden birds. A chickadee at sunset; 6 Purple Finches in gray plumage, at first in willows by Museum gate, flying then to old red cedar a few yards off & eating its berries as birds of the same species used to do when I was a boy & sometimes caught in a wire trap cage placed on the ground beneath this venerable tree; a White-throated Sparrow among the rhododendrons; 3 juncos (♂ & ♀) running over snow close to Museum, pecking at seeds of *Trinia* stalks rising above the drift; half a dozen or more House Sparrows.

Wrote letters in Museum during A.M. & late P.M. The Fairchild Cousins, Lucy, Sally & Gordon & charming Kitty Frick were our guests at dinner. C. did not leave her room all day. Harry Forbes called at 4 P.M., staying upwards of an hour & telling me much of interest about his recent experiences in Serbia. I called on the Abbot at 8.30 & saw Helen with ball from installed cinema in F. Hall.

Birth Days of "We Diners"

Memoranda

C. W. Townsend	Nov. 10, 1859
Goodale	Jan'y 22, 1868
C. F. Batchelder	July 20, 1856
R. Thaxter	Aug. 28, 1858
Rand	" 22, 1859
W. Deane	Apr. 23, 1848
H. M. Spelman	Nov. 5, 1861
J. Barber	
A. C. Bent	Nov. 25, 1866
W. A. Jeffers	Feb 13, 1856
R. T. Jackson	July 13, 1861
W. Brewster	" 5, 1857

Of other People

C.	Aug. 31, 184
E. R. S.	
Margaret French	Aug. 3.

How many more of them are left for C. & me? So ends another year.

Memoranda

Memoranda

Birds in our Garden, Cambridge.

CASH ACCOUNT. JANUARY.

	Received.	Paid.
✓ 1. <u>White-Thr. Sp.</u> 2 ⁵ ^{im} 3 ^{im} 4 ^{do} 5 ^{do} 6 ^{do} 7 ⁸ 8 ^{im} 9 ¹		
✓ 2. <u>Blue Jay</u> 2 ⁴ 8 ¹ 12 ¹ 15 ^{had} 17 ¹ 19 ¹ 25 ² 27 ²		
✓ 3. <u>House Sp.</u> 2 ³⁰ + 3 ¹⁵ + 4 ³⁵ 5 ³⁰ 6 ¹⁵ + 7 ²⁰ + 8 ³⁰ + 9 ²⁰		
✓ 4. <u>Chickadee</u> 3 ^{hd} 5 ^{at} 6 ^{hd} 8 ¹ 10 ^{hd} 15 ³ 18 ¹		
✓ 5. <u>Crow</u> 3 ^{hd} 4 ^{hd} 8 ^{hd} 19 ¹ 20 ¹ 22 ^{3 on} 23 ^{2 do}		
✓ 6. <u>Dorothy</u> 4 ^{hd} 6 ^{8 at} 8 ^{hd} 11 ^{hd} 16 ^{8 at} 17 ^{8 at} 19 ^{8 at}		
✓ 7. <u>White breasted Nuthatch</u> 6 ^{8 at} 2 ⁶ 8 ¹ 10 ¹ 15 ¹ 18 ¹ 20 ¹ 22 ¹ 23 ¹ 24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹		
✓ 8. <u>Red</u> " " 6 ^{8 at} 16 ¹ 18 ¹ 22 ^{8 at}		
✓ 9. <u>Robin</u> 7 ^{8 at} 10 ¹ 12 ¹ 15 ¹ 18 ¹ 20 ¹ 22 ¹ 23 ¹ 24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹		
✓ 10. <u>Flicker</u> 7 ⁸ 8 ¹ 12 ¹ 14 ¹ 17 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 22 ¹ 23 ¹ 24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹		
✓ 11. ? <u>Evening Grosbeak</u> ? 8 ⁴ [7 ³ 3 ¹ 4 ¹ 5 ¹ 6 ¹ 7 ¹ 8 ¹ 9 ¹ 10 ¹ 11 ¹ 12 ¹ 13 ¹ 14 ¹ 15 ¹ 16 ¹ 17 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 22 ¹ 23 ¹ 24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹]		
✓ 12. <u>Golden Crest Kinglet</u> 9 ¹ 10 ¹ 11 ¹ 12 ¹ 13 ¹ 14 ¹ 15 ¹ 16 ¹ 17 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 22 ¹ 23 ¹ 24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹		
✓ 13. <u>Hairy Woodpecker</u> 19 ¹ 20 ¹ 21 ¹ 22 ¹ 23 ¹ 24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹		

CASH ACCOUNT. JANUARY.

Date.	Received.	Paid.
24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹		
10 ¹ 11 ¹ 12 ¹ 13 ¹ 14 ¹ 15 ¹ 16 ¹ 17 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 22 ¹ 23 ¹ 24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹		
28 ² 29 ² 30 ² 31 ² 22 ¹² 23 ¹⁰ 25 ¹⁰ 26 ¹⁰ 28 ¹⁰ 30 ²⁰		
10 ²⁰ 11 ¹⁰ 12 ¹⁰ 13 ¹⁵ 14 ¹⁵ 15 ¹² 16 ²⁰ 17 ¹⁵ 18 ²⁰ 19 ²⁰ 20 ²⁰ 21 ²⁰ 22 ²⁰ 23 ²⁰ 24 ²⁰ 25 ²⁰ 26 ²⁰ 27 ²⁰ 28 ²⁰ 29 ²⁰ 30 ²⁰ 31 ²⁰		
19 ¹ 20 ¹ 22 ¹ 23 ¹ 25 ¹ 26 ¹ 28 ¹ 29 ¹		
20 ¹ 21 ¹ 22 ¹ 23 ¹ 24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹		
30 ¹ 31 ¹		
25 ¹ 30 ¹ 31 ¹		
19 ¹ 21 ¹ 22 ¹ 23 ¹ 24 ¹ 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹ 30 ¹ 31 ¹		

CASH ACCOUNT. FEBRUARY.

CASH ACCOUNT. FEBRUARY.

Received. Paid.

✓ 1 Chickadee 1 hsd 3 hd. 6 hd. 7 hd. 9' 10' 14 hd
✓ 2 White Throat 5. 1 hd 2 hd. 3 ^{1 in eating} night hawk 4 ² 12 12 12
3 House Sp. 1 40 + 2 10 + 3 40 + 4 30 + 5 12 + 6 30 + 7 20 +
✓ 4 Blue Jay 1 ¹/₂ 2 ²/₂ 4' 6 ④ 9 2 10' 13' 15'
✓ 5 Flicker 1 hd. 5 ²/₂ eating 6 ²/₂ do. 7 ²/₂ do. 8 ²/₂ do. 10 ²/₂ do.
✓ 6 H. Gull 1 ✓
✓ 7 Downy W. 3 hd. 5 hd. 7' 11 ② 12 ²/₂ eat 13 ²/₂ do
✓ 8 Crow 3 ③ 4 ③ 6' 12 hd. early 15' 19' ^{1 in morning}
✓ 9 White breasted Nuthatch 13 ② 29 ²/₂ ✓
10 Robin 22 ② ② ② eating Park. 4 p.m. 23 ¹/₂ (Just Flying)

2114 23 24 25 26 27 28 29 30

CASH ACCOUNT. FEBRUARY.

CASH ACCOUNT. FEBRUARY.

Date.	Received.	Paid.
15 ^x 23 ^{hd} - 25 ^{hd} . 26 ^{hd} . 29 ^x .		
7 ^{am} 8 ^{hd} . 9 ^{3m} 10 ^{1m} 11 ^{1m} 13 ^{hd} 14 ^{2m} 15 ^{do} 16 ¹		
8 ¹⁵ + 9 ²⁰ + 10 ³⁰ + 11 ²⁰ + 12 ¹⁵ 13 ⁸⁺ + 14 ⁸⁺ + 17 ¹⁰ 20 ⁸⁺ + 23 ¹⁵⁺		
16 ² 18' 20 ^{hd} . 22 ² ^{with bread} 23' 24' 26' 27' 28'		
11 ⁽²⁾ do 13 ⁽²⁾ do . 17 ^{do} 22 ^{do} 23' ^{do} 29 ^{do}		
15 ⁸ do 19 ^{hd} . 22 ⁸ ^{ant} 25 ^{do} . 26 ⁽²⁾ 28 ^{hd}		
20 ¹ / 21 ^{hd} ^{sum} 22 ^{do} . 23 ^{do}		

Birds in our Garden, Cambridge

CASH ACCOUNT. MARCH.

Received.

Paid.

- ✓ 1 Robin 1 ♂ 5 ♀ 4 ♂ 6 ♂ 7 ♂ 8 ♂ 9 ♂ 10 ♂ 11 ♂ 12 ♂ 13 ♂ 14 ♂ 15 ♂ 16 ♂ 17 ♂ 18 ♂ 19 ♂ 20 ♂ 21 ♂ 22 ♂ 23 ♂ 24 ♂ 25 ♂ 26 ♂ 27 ♂ 28 ♂ 29 ♂ 30 ♂ 31 ♂
- ✓ 2 Flicker 1 ♂ 2 ♀ 3 ♂ 4 ♀ 5 ♂ 6 ♀ 7 ♂ 8 ♀ 9 ♂ 10 ♀ 11 ♂ 12 ♀ 13 ♂ 14 ♀ 15 ♂ 16 ♀ 17 ♂ 18 ♀ 19 ♂ 20 ♀ 21 ♂ 22 ♀ 23 ♂ 24 ♀ 25 ♂ 26 ♀ 27 ♂ 28 ♀ 29 ♂ 30 ♀ 31 ♂
- ✓ 3 Downy 1 ♂ 2 ♀ 3 ♂ 4 ♀ 5 ♂ 6 ♀ 7 ♂ 8 ♀ 9 ♂ 10 ♀ 11 ♂ 12 ♀ 13 ♂ 14 ♀ 15 ♂ 16 ♀ 17 ♂ 18 ♀ 19 ♂ 20 ♀ 21 ♂ 22 ♀ 23 ♂ 24 ♀ 25 ♂ 26 ♀ 27 ♂ 28 ♀ 29 ♂ 30 ♀ 31 ♂
- ✓ 4 White-thr. Sparrows 1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'
- 5 House " 1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'
- ✓ 6 Blue Jay 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'
- ✓ 7 Chickadee 3' 4' 5' 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'
- ✓ 8 Crow 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'
- ✓ 9 Hairy Woodpecker 6' 7' 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'
- ✓ 10 Cedar bird 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'
- ✓ 11 Tree Sparrows 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'
- ✓ 12 White breasted Nuthatch 25' 26' 27' 28' 29' 30' 31'
- ✓ 13 Purple Finch 26' 27' 28' 29' 30' 31'
- ✓ 14 Bronzed Grackle 28' 29' 30' 31'

CASH ACCOUNT. MARCH.

Received.

Paid.

Date

- 8' 9' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31'
- ✓ Blue Jay 25' 26' 27' 28' 29' 30' 31'
- ✓ Downy 28' 29' 30' 31'
- ✓ House Wren 30' 31'
- ✓ 29' 30' 31'
- ✓ 30' 31'
- ✓ 31'

Birds in our Garden, Cambridge.

CASH ACCOUNT. APRIL.

Received.

Paid.

- ✓ 1 Robin ^{12 28} 2² 3²⁸ + 13²⁸ ^{Sec. calling at sun} 14²⁸
- ✓ 2 Song Sparrow 1²⁸
- ✓ 3 Fox " 1³ 3³ 13³ ^{in full song at sunset} 14³
- ✓ 4 White Thr. " 1³ 2³ in 3³ ^{at 12 im} 13³ ^{our chirping} 14³
- ✓ 5 Purple Finch 1³ 2³ 3³ ^{3 adts 4 grey} 13³ ^{ground}
- 6 House Sparrow 1² 2² 13²
- ✓ 7 Dorsey Woodpeck 1² 2²
- ✓ 8 Blue Jay 1² 2² 3² 13²
- ✓ 9 Bronzed Grackle 1³ 2³ 3³ 13³
- ✓ 10 Crow 1⁵ 2³ 3³ 13³ ^{14 h.}
- ✓ 11 Bluebird 2³ ^{washing in air at 11:30 a.m.}
- ✓ 12 Flicker 3³
- ✓ 13 Cedar bird 4³

CASH ACCOUNT. APRIL.

Date.

Received.

Paid.

14⁵ ^{grey} 1³

Birds in our Garden, Cambridge.

CASH ACCOUNT. MAY.

Date.	Received.	Paid.
✓ 1.	<u>Cat bird</u> 13 ¹ / ₂ ^(Paw.) 13¹/₂	
✓ 2.	<u>Robin</u> 29 ² / ₂ ^{30¹/₂} 30¹/₂	
✓ 3.	<u>Canada Warbler</u> 29 ¹ / ₂ 30 ¹ / ₂ 31 ¹ / ₂	
✓ 4.	<u>Starling</u> 29 ¹ / ₂	
✓ 5.	<u>Black-throated Green Warbler</u> 30 ¹ / ₂	
✓ 6.	<u>Chippy</u> 30 ¹ / ₂	
✓ 7.	<u>Flicker</u> 30 ¹ / ₂ 31 ¹ / ₂	
✓ 8.	<u>Bronzed Grackle</u> 30 ¹ / ₂ ^{4¹/₂}	
9.	<u>House Sparrow</u> 30 ¹ / ₂	
✓ 10.	<u>Crow</u> 31 ² / ₂	
✓ 11.	<u>Jay</u> 31	
✓ 12.	<u>Red eyed vireo</u> 30 ¹ / ₂ 31 ¹ / ₂	

CASH ACCOUNT. MAY.

Birds in our Garden, Cambridge.

CASH ACCOUNT. JULY.

Date.	Received.	Paid.
✓ 1	Robin 1 ²⁺ 3 [*] 4 ³ 5 ⁵ 9 ³	
✓ 2	Oriole 1 ² 3 ^{young} 4 ^{ad r} 5 ^{ad r}	
✓ 3	Jay 1 ³ 3 ^{ad. 9 ad.}	
✓ 4	Red. w. 1 [*]	
5	House Sparrow 1 ⁶ 4 ⁶ 5 ⁸ 9 ⁵⁺	
✓ 7	Starling 1 ² 11 ^{birds} 3 ^{ad. 4 ad. 5 ad.}	
✓ 8	7 ^{Wren} 4 ³ 5 ¹ 9 [*]	
✓ 9	Crow 4 ^{ad.}	
✓ 10	Swift 4 ^{ad. 5} 5 ^{do.} 9 ^{do.}	

CASH ACCOUNT. JULY.

CASH ACCOUNT. AUGUST.

Date. Received. Paid.

✓ 1. Goldfinch 9^{hd} 12^{hd} 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 2. Swift 9^{hd} 10^{hd} 11^{hd} 12^{hd} 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 3. Robin 10^{hd} 11^{hd} 12^{hd} 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 4. Red-eye V. 10^{hd} 11^{hd} 12^{hd} 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 5. T. Licker 10^{hd} 11^{hd} 12^{hd} 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 6. Jay 10^{hd} 11^{hd} 12^{hd} 13^{hd} 14^{hd} 15^{hd} 16^{hd}
7. House Sparrow 10^{hd} 11^{hd} 12^{hd} 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 8. Bronzed Grackle 11^{hd} 12^{hd} 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 9. Nashville Warbler 12^{hd} 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 10. Water Thrush 12^{hd} 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 11. Chestnut-Side Warbler 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 12. Black & White Creeper 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 13. Bal. Oriole 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 14. King bird 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 15. Bobolink 13^{hd} 14^{hd} 15^{hd} 16^{hd}
✓ 16. Crow 14^{hd} 15^{hd} 16^{hd}
✓ 17. Hummer 15^{hd} 16^{hd}
✓ 18. Maryland Yellow-thr. 15^{hd} 16^{hd}
✓ 19. Nighthawk 15^{hd} 16^{hd}
✓ 20. Oven bird 24^{hd} 25^{hd} 26^{hd} 27^{hd} 28^{hd} 29^{hd} 30^{hd}
✓ 21. Golden-wing Warbler 25^{hd} 26^{hd} 27^{hd} 28^{hd} 29^{hd} 30^{hd}
✓ 22. Downy W. 25^{hd} 26^{hd} 27^{hd} 28^{hd} 29^{hd} 30^{hd}
✓ 23. Black-pou W. 26^{hd} 27^{hd} 28^{hd} 29^{hd} 30^{hd}
✓ 24. Red Start 26^{hd} 27^{hd} 28^{hd} 29^{hd} 30^{hd}
✓ 25. Cedar bird 26^{hd} 27^{hd} 28^{hd} 29^{hd} 30^{hd}

CASH ACCOUNT. AUGUST.

[illegible]

CASH ACCOUNT. SEPTEMBER.

CASH ACCOUNT. SEPTEMBER.

Birds in our Garden, Cambridge.

CASH ACCOUNT. NOVEMBER.

Date.	Received.	Paid.
✓ 1.	White Throat Sp. 5' 1 ad 9' 1 ad 12' 1 ad 13' 2 ad	
2.	House Sp. 5' 2 6' 12' 7' 10' 8' 10' 9' 10' 12' 4' 13' 4' 14' 2'	
✓ 3.	Crow 5' hd. 13' do. 16' 3' in firs. One with dead yellow ring warbler, pinching its feathers.	
✓ 4.	Goldcrest 6' 7' hd. 8' 9' 12' 13' 2' 20' 4'	
✓ 5.	Chickadee 7' 2' 8' 5' 9' 12' 13' 14' 16' 18' hd.	
✓ 6.	Goldfinch 7' 2' ad	
✓ 7.	Downy 7' hd. in Hubbard Pk. 9' heard in jungle 12' 8' 21' 26' hd.	
✓ 8.	Blue Jay 8' 12' 14' 16' 17' 21' 22' 2' on way of mud.	
✓ 9.	Pine Finch 9' heard in air 13' 14' in willow by Mrs. gate.	
✓ 10.	Junco 12' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'	
✓ 11.	Yellow-rump 7' 12' 16' 1 in near tree, catbird's chest, 9' hd. This or another dead & a crow pinching at it. 12' brown.	
✓ 12.	Hairy Woodpecker 12' 1 heard rattling, 19' do. 21' 29'	
✓ 13.	Fox Sparrow 13' 20'	
✓ 14.	Redpoll 16' 18' + catbird's noise	
✓ 15.	Shufeldt's Junco 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30'	
✓ 16.	Flicker 22' 23' in junco 29' hd.	
✓ 17.	Canada Nutcracker 23' 24'	
✓ 18.	Hermit Thrush 26' under bush 27' 1 flying from behind 28' 29'	
✓ 19.	Herring Gull 27' 28'	

CASH ACCOUNT. NOVEMBER.

Date.	Received.	Paid.
15' 2	20' 2 ad 21' 1 ad 22' 1 ad 23' 1 ad 24' 1 ad 25' 1 ad 26' 2 27' 2	29' 2 30' 2
15' 4' 16' 8' 17' 6' 18' 14' 19' 21' 23' 24' 25' 26' 27' 28' 29' 30'		
17' 20' 21' 22' 23'		
22' 24' 25' 26' 27' 28' 29'		
20' 21' 22' 23' 24' 25' 26' 27' 28' 29'		
30' hd.		
24' hd. 26' hd. 29' hd.		
25' 26' 27' 28' 29' 30'		
26' 27' 28' 29' 30'		
23' 24' 25' 26' 27' 28' 29' 30'		
29' 1 in lilacs near lawn 30' 1 in lilacs near lawn		

Birds in our Garden, Cambridge.

CASH ACCOUNT. DECEMBER.

Date.	Received.	Paid.
✓ 1	Goldcrest 1 st 10 hrs 17 hrs.	
✓ 2	Blue Jay 1 st 4 2 7 hrs 8 19 hrs. 12 hrs. 13 hrs. 20 hrs.	
3	House Sp. 1 30+ 2 20+ 3 25+ 4 10+ 5 6+ 7 6 11 hrs. 12 hrs.	
✓ 4	White Throat Sp. 2 1 ad 3 hrs. 4 hrs. 7 1 hrs. 13 hrs.	
✓ 5	Junco 2 4 3 2 4 2 5 hrs. 8 3 5 10 3 4 13 2 29 2 in	
✓ 6	Crow 3 hrs. 4 2 on lawn 5 hrs. 8 2 on lawn 10 3 13 hrs. 17 3	
✓ 7	Chickadee 4 1 7 2 10 4 11 hrs. 12 hrs. 13 hrs. 14 hrs.	
✓ 8	Downy W. 4 4 7 hrs. 8 hrs. 9 hrs. 10 1 11 13 hrs.	
✓ 9	White b. Nuthatch 5 in leafless	
✓ 10	Tit 9 in elm & purchased three by 2 Sparrows Hawks 2 1 2 3 2 eating	
✓ 11	Sparrow Hawk 9 4 chased Tit after over lawn & then perched awhile in big horse chestnut.	
✓ 12	Hairy W. 17 8 in catalpa by Mrs.	
✓ 13	Purple Finch 17 1 gray eating Parkman apple 18 1 20 2 do	
✓ 14	Redpoll 26 High call heard over house in H. & Ford Park.	

CASH ACCOUNT. DECEMBER.

Date.	Received.	Paid.
21 22 27	3 1 8	
13 8 + 14 6 + 17 40 +	19 10 + 20 8 + 22 8 + 23 10 + 27 6 28 12 29 6 30 6	
15 1 bird eating nightshade berries 17 1 ad at mill 22 hrs. 23 hrs. 26 hrs. 27 1 29 hrs. 30 1 31 2 in		
rhododendrons by study window, at sunset 3 1 8 2 2 eating		
15 1 at 16 do. 17 do. 19 hrs. 23 1 27 1 29 1 30 1 at 31 1		
15 hrs. 18 hrs.		
27 2 do (29	near tree freshly barbed, windless, 30 8 in barbed near tree	
31 8	gray birds in red cedar by museum gate	

Bethel, Maine - June 24-26
SUMMARY OF CASH ACCOUNT.

	Received.	Paid.
JAN.	Robin 24 ³ / ₃₂	
	Hermie 24 ³ / ₃₂	
FEB.	Oliver back 24 ¹ / ₃₂	
	Very 24 ⁶ / ₃₂	
	Br. Creeper 24 ¹ / ₃₂	
MAR.	Nashville W. 24 ⁵ / ₃₂	
	Chestnut S. " 24 ⁶ / ₃₂	
	Canada " 24 ⁶ / ₃₂	
	Redstart " 24 ³ / ₃₂	
	Orion bird " 24 ⁴ / ₃₂	
APRIL.	Red eye V. 24 ¹ / ₃₂	
	Goldfinch 24 ² / ₃₂	
	Purple Finch 24 ⁴ / ₃₂	
	Verdon Sp. 24 ¹ / ₃₂	
MAY	Tree 24 ¹ / ₃₂	
	White Thr. 24 ¹ / ₃₂	
	Song 24 ² / ₃₂	
	Chiffy 24 ² / ₃₂	
JUNE	Loon Fly 24 ¹ / ₃₂	
	Black bell Cuckoo 24 ¹ / ₃₂	
	Nighthawk 24 ¹ / ₃₂	
	Whippoorwill 24 ¹ / ₃₂	
JULY	House Wren 25 ¹ / ₃₂	
	Wandering Wren 25 ¹ / ₃₂	
	Tree 24 ⁴ / ₃₂	
AUG.		
SEPT.		
OCT.		
NOV.		
DEC.		

Manchester, N.Y. H. Sea
MEMORANDA. July 1-3

Date.	Dollars.	Cts.
Dana woods & Thors		
Robin 2 ¹ / ₂		
Pine Warbler 1 ¹ / ₂ 2 ¹ / ₂		
Chiffy 1 brood 2 ¹ / ₂		
Song Sparrows 1 ¹ / ₂ 2 ¹ / ₂ (Dana & Hans places constructed)		
7. Miller 1 ¹ / ₂		
Crow 1 set 24		
Green Heron 1 ¹ / ₂		
Herring Gull 150 + mostly 2 do adults		
Spotted Sandpiper 2 hd		
White br. Nuthatch 2 hd		
Redstart 2 ³ / ₃₂		
Tree Swallow 2 ³ / ₃₂		
Kingfisher 2 ¹ / ₂ over ocean		

Glendale, Mass. July 10-31

C = Chesterwood S. = near Studio
M = Mc. Intosh's place P = Pasture Outlook

Date.	Dollars.	Cts.
1. Bluebird. 12 ^h 2 19 ^h 23' 29'		
2. Robin. 10 ^h 18 ^h 12 ^h 14 ^h 15 ^h 16 ^h 17 ^h 18 ^h 19 ^h 20 ^h 21 ^h 22 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 29 30.		
3. Wood Thrush. 10 ^h 22 ^h 13 ^h 14 ^h 15 ^h 16 ^h 17 ^h 18 ^h 19 ^h 20 ^h 21 ^h 22 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 28 ^h 29 ^h 30 ^h		
4. Hermit. 10 ^h 12 ^h 13 ^h 14 ^h 15 ^h 16 ^h 17 ^h 18 ^h 19 ^h 20 ^h 21 ^h 22 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 28 ^h 29 ^h 30 ^h		
5. Cat bird. One pair only at C. 1 st song last on 17 th Young ones 18 th		
6. White br. Nuthatch. Heard at C. on 12, 13, 14, 19, 20, 22, 23, 24		
7. House Wren. Breeding pair at C. nest in box near Studio. ♂ sang ceaselessly up to 25 th . Only occasionally, but daily, after that. Young out by 23 rd . Another ♂ heard near Warms		
8. Chickadee 12 ^h 13 ^h 14 ^h 15 ^h 16 ^h 17 ^h 18 ^h 19 ^h 20 ^h 21 ^h 22 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 28 ^h 29 ^h 30 ^h		
9. Minioletta. 12 ^h 13 ^h 14 ^h 15 ^h 16 ^h 17 ^h 18 ^h 19 ^h 20 ^h 21 ^h 22 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 28 ^h 29 ^h 30 ^h		
10. Black thr. Green W. 10 ^h 11 ^h 12 ^h 13 ^h 14 ^h 15 ^h 16 ^h 17 ^h 18 ^h 19 ^h 20 ^h 21 ^h 22 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 28 ^h 29 ^h 30 ^h		
11. Black L. vian H. 10 ^h 18 ^h (Hemlocks at C.)		
12. Magnolia " 12 ^h 18 ^h 24 ^h at P. 30 ^h near		
13. Yellow rump " 12 ^h from pasture near C.		
14. Black thr. Blue " 12 ^h on front porch 14 ^h 18 ^h at C.		
15. Oven bird. 12 ^h 14 ^h 19 ^h 20 ^h 21 ^h 22 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 28 ^h 29 ^h 30 ^h		
16. Lo. Water Thrush 14 ^h chirping in dense thicket by		
17. Maryland Yellow. Thr. 27 ^h at, picked up alive for		
18. Redstart 11 ^h in shrubby corner a house at C.		

Glendale, Mass., July 10-31.

MEMORANDA.

Date.	Dollars.	Cts.
19 Cedar bird. One or two noted almost daily at C. nest in apple tree by Studio with one fine hatched young on 19 th the soon on every next day & surely hatched by King bird then		
20. Jar. age 15 ^h 19 ^h 24 ^h 25 ^h 27 ^h 28 ^h 29 ^h 31 ^h (all at C.) 30 ^h 31 ^h noted during week around Hagar's Pond.		
21 Red. eyed Vireo. One to four ♂♂ heard daily at C. & elsewhere. Singing freely through month.		
22 Yellow thr. V. 11 ^h 13 ^h 14 ^h 17 ^h 18 ^h 19 ^h 20 ^h 21 ^h 22 ^h 24 ^h 25 ^h		
23. Solitary V. 11 ^h 12 ^h 14 ^h 15 ^h 17 ^h 18 ^h 19 ^h 20 ^h 21 ^h 22 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 28 ^h 29 ^h 30 ^h 31 ^h		
24. Warbling V. 15 ^h Sang thrice in poplar over Studio.		
25. Barn Swallows. 11 ^h 12 ^h 17 ^h 18 ^h 19 ^h 20 ^h 21 ^h 22 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 28 ^h 29 ^h 30 ^h 31 ^h		
26. Barn Swallows 19 ^h 23 ^h 31 ^h at C.		
27. Purple Finch at C. only. 12 ^h 13 ^h 14 ^h 15 ^h 17 ^h 18 ^h 19 ^h 20 ^h 21 ^h 22 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 28 ^h 29 ^h 30 ^h 31 ^h		
28. Goldfinch 12 ^h 13 ^h 14 ^h 15 ^h 16 ^h 18 ^h 19 ^h 20 ^h 21 ^h 22 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 28 ^h 29 ^h 30 ^h 31 ^h		
29. White thr. Sparrow 16 ^h P. 1 st hatched by R. Hoffmann.		
30. Song S. 13 ^h 18 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 28 ^h 29 ^h 30 ^h 31 ^h		
31. Chipping Two or three breeding pairs at C. ♂♂ sang through month but only listlessly towards its close.		
32. Field Sp. 10 ^h 11 ^h 12 ^h 14 ^h 15 ^h 17 ^h 18 ^h 19 ^h 20 ^h 21 ^h 22 ^h 23 ^h 24 ^h 25 ^h 26 ^h 27 ^h 28 ^h 29 ^h 30 ^h 31 ^h		

Glendale, Mass. July 10-31.

MEMORANDA.

Date.	Dollars.	Cts.
33.	Indigo Bird.	Two pairs at C. Sev. elsewhere. 25 in back song. ^{through outside month.}
34.	Towhee	89¢ near 231 calling
35.	Bal. Oriole.	at C. 15 young 17 do. 20 do. ^{calling}
36.	Crows.	Noted almost daily, never more than 3 or 4.
37.	Blue Jay	28' 31' (at C.)
38.	King bird.	Pair seen daily, about nest in apple tree just behind Studio building going in by 253.
39.	Crested Fly.	Pair, or heard daily in apple trees near house.
40.	Phoebe.	Pair at C. & another at Mr. Orr's bang kept on 24 & 25
41.	Wood Pewee.	♂ in woods behind S. bang freely all hours up to 25 th fitfully on 26 th & 27 th , fairly & busily after that. Another heard near Hager's P. on 30 th
42.	Whip-poor-will.	12' 13' 19' 26' 28' 30' 31' 32' 33' 34' 35' 36' 37' 38' 39' 40' 41' 42' 43' 44' 45' 46' 47' 48' 49' 50' 51' 52' 53' 54' 55' 56' 57' 58' 59' 60' 61' 62' 63' 64' 65' 66' 67' 68' 69' 70' 71' 72' 73' 74' 75' 76' 77' 78' 79' 80' 81' 82' 83' 84' 85' 86' 87' 88' 89' 90' 91' 92' 93' 94' 95' 96' 97' 98' 99' 100' 101' 102' 103' 104' 105' 106' 107' 108' 109' 110' 111' 112' 113' 114' 115' 116' 117' 118' 119' 120' 121' 122' 123' 124' 125' 126' 127' 128' 129' 130' 131' 132' 133' 134' 135' 136' 137' 138' 139' 140' 141' 142' 143' 144' 145' 146' 147' 148' 149' 150' 151' 152' 153' 154' 155' 156' 157' 158' 159' 160' 161' 162' 163' 164' 165' 166' 167' 168' 169' 170' 171' 172' 173' 174' 175' 176' 177' 178' 179' 180' 181' 182' 183' 184' 185' 186' 187' 188' 189' 190' 191' 192' 193' 194' 195' 196' 197' 198' 199' 200' 201' 202' 203' 204' 205' 206' 207' 208' 209' 210' 211' 212' 213' 214' 215' 216' 217' 218' 219' 220' 221' 222' 223' 224' 225' 226' 227' 228' 229' 230' 231' 232' 233' 234' 235' 236' 237' 238' 239' 240' 241' 242' 243' 244' 245' 246' 247' 248' 249' 250' 251' 252' 253' 254' 255' 256' 257' 258' 259' 260' 261' 262' 263' 264' 265' 266' 267' 268' 269' 270' 271' 272' 273' 274' 275' 276' 277' 278' 279' 280' 281' 282' 283' 284' 285' 286' 287' 288' 289' 290' 291' 292' 293' 294' 295' 296' 297' 298' 299' 300' 301' 302' 303' 304' 305' 306' 307' 308' 309' 310' 311' 312' 313' 314' 315' 316' 317' 318' 319' 320' 321' 322' 323' 324' 325' 326' 327' 328' 329' 330' 331' 332' 333' 334' 335' 336' 337' 338' 339' 340' 341' 342' 343' 344' 345' 346' 347' 348' 349' 350' 351' 352' 353' 354' 355' 356' 357' 358' 359' 360' 361' 362' 363' 364' 365' 366' 367' 368' 369' 370' 371' 372' 373' 374' 375' 376' 377' 378' 379' 380' 381' 382' 383' 384' 385' 386' 387' 388' 389' 390' 391' 392' 393' 394' 395' 396' 397' 398' 399' 400' 401' 402' 403' 404' 405' 406' 407' 408' 409' 410' 411' 412' 413' 414' 415' 416' 417' 418' 419' 420' 421' 422' 423' 424' 425' 426' 427' 428' 429' 430' 431' 432' 433' 434' 435' 436' 437' 438' 439' 440' 441' 442' 443' 444' 445' 446' 447' 448' 449' 450' 451' 452' 453' 454' 455' 456' 457' 458' 459' 460' 461' 462' 463' 464' 465' 466' 467' 468' 469' 470' 471' 472' 473' 474' 475' 476' 477' 478' 479' 480' 481' 482' 483' 484' 485' 486' 487' 488' 489' 490' 491' 492' 493' 494' 495' 496' 497' 498' 499' 500' 501' 502' 503' 504' 505' 506' 507' 508' 509' 510' 511' 512' 513' 514' 515' 516' 517' 518' 519' 520' 521' 522' 523' 524' 525' 526' 527' 528' 529' 530' 531' 532' 533' 534' 535' 536' 537' 538' 539' 540' 541' 542' 543' 544' 545' 546' 547' 548' 549' 550' 551' 552' 553' 554' 555' 556' 557' 558' 559' 560' 561' 562' 563' 564' 565' 566' 567' 568' 569' 570' 571' 572' 573' 574' 575' 576' 577' 578' 579' 580' 581' 582' 583' 584' 585' 586' 587' 588' 589' 590' 591' 592' 593' 594' 595' 596' 597' 598' 599' 600' 601' 602' 603' 604' 605' 606' 607' 608' 609' 610' 611' 612' 613' 614' 615' 616' 617' 618' 619' 620' 621' 622' 623' 624' 625' 626' 627' 628' 629' 630' 631' 632' 633' 634' 635' 636' 637' 638' 639' 640' 641' 642' 643' 644' 645' 646' 647' 648' 649' 650' 651' 652' 653' 654' 655' 656' 657' 658' 659' 660' 661' 662' 663' 664' 665' 666' 667' 668' 669' 670' 671' 672' 673' 674' 675' 676' 677' 678' 679' 680' 681' 682' 683' 684' 685' 686' 687' 688' 689' 690' 691' 692' 693' 694' 695' 696' 697' 698' 699' 700' 701' 702' 703' 704' 705' 706' 707' 708' 709' 710' 711' 712' 713' 714' 715' 716' 717' 718' 719' 720' 721' 722' 723' 724' 725' 726' 727' 728' 729' 730' 731' 732' 733' 734' 735' 736' 737' 738' 739' 740' 741' 742' 743' 744' 745' 746' 747' 748' 749' 750' 751' 752' 753' 754' 755' 756' 757' 758' 759' 760' 761' 762' 763' 764' 765' 766' 767' 768' 769' 770' 771' 772' 773' 774' 775' 776' 777' 778' 779' 780' 781' 782' 783' 784' 785' 786' 787' 788' 789' 790' 791' 792' 793' 794' 795' 796' 797' 798' 799' 800' 801' 802' 803' 804' 805' 806' 807' 808' 809' 810' 811' 812' 813' 814' 815' 816' 817' 818' 819' 820' 821' 822' 823' 824' 825' 826' 827' 828' 829' 830' 831' 832' 833' 834' 835' 836' 837' 838' 839' 840' 841' 842' 843' 844' 845' 846' 847' 848' 849' 850' 851' 852' 853' 854' 855' 856' 857' 858' 859' 860' 861' 862' 863' 864' 865' 866' 867' 868' 869' 870' 871' 872' 873' 874' 875' 876' 877' 878' 879' 880' 881' 882' 883' 884' 885' 886' 887' 888' 889' 890' 891' 892' 893' 894' 895' 896' 897' 898' 899' 900' 901' 902' 903' 904' 905' 906' 907' 908' 909' 910' 911' 912' 913' 914' 915' 916' 917' 918' 919' 920' 921' 922' 923' 924' 925' 926' 927' 928' 929' 930' 931' 932' 933' 934' 935' 936' 937' 938' 939' 940' 941' 942' 943' 944' 945' 946' 947' 948' 949' 950' 951' 952' 953' 954' 955' 956' 957' 958' 959' 960' 961' 962' 963' 964' 965' 966' 967' 968' 969' 970' 971' 972' 973' 974' 975' 976' 977' 978' 979' 980' 981' 982' 983' 984' 985' 986' 987' 988' 989' 990' 991' 992' 993' 994' 995' 996' 997' 998' 999' 1000' 1001' 1002' 1003' 1004' 1005' 1006' 1007' 1008' 1009' 1010' 1011' 1012' 1013' 1014' 1015' 1016' 1017' 1018' 1019' 1020' 1021' 1022' 1023' 1024' 1025' 1026' 1027' 1028' 1029' 1030' 1031' 1032' 1033' 1034' 1035' 1036' 1037' 1038' 1039' 1040' 1041' 1042' 1043' 1044' 1045' 1046' 1047' 1048' 1049' 1050' 1051' 1052' 1053' 1054' 1055' 1056' 1057' 1058' 1059' 1060' 1061' 1062' 1063' 1064' 1065' 1066' 1067' 1068' 1069' 1070' 1071' 1072' 1073' 1074' 1075' 1076' 1077' 1078' 1079' 1080' 1081' 1082' 1083' 1084' 1085' 1086' 1087' 1088' 1089' 1090' 1091' 1092' 1093' 1094' 1095' 1096' 1097' 1098' 1099' 1100' 1101' 1102' 1103' 1104' 1105' 1106' 1107' 1108' 1109' 1110' 1111' 1112' 1113' 1114' 1115' 1116' 1117' 1118' 1119' 1120' 1121' 1122' 1123' 1124' 1125' 1126' 1127' 1128' 1129' 1130' 1131' 1132' 1133' 1134' 1135' 1136' 1137' 1138' 1139' 1140' 1141' 1142' 1143' 1144' 1145' 1146' 1147' 1148' 1149' 1150' 1151' 1152' 1153' 1154' 1155' 1156' 1157' 1158' 1159' 1160' 1161' 1162' 1163' 1164' 1165' 1166' 1167' 1168' 1169' 1170' 1171' 1172' 1173' 1174' 1175' 1176' 1177' 1178' 1179' 1180' 1181' 1182' 1183' 1184' 1185' 1186' 1187' 1188' 1189' 1190' 1191' 1192' 1193' 1194' 1195' 1196' 1197' 1198' 1199' 1200' 1201' 1202' 1203' 1204' 1205' 1206' 1207' 1208' 1209' 1210' 1211' 1212' 1213' 1214' 1215' 1216' 1217' 1218' 1219' 1220' 1221' 1222' 1223' 1224' 1225' 1226' 1227' 1228' 1229' 1230' 1231' 1232' 1233' 1234' 1235' 1236' 1237' 1238' 1239' 1240' 1241' 1242' 1243' 1244' 1245' 1246' 1247' 1248' 1249' 1250' 1251' 1252' 1253' 1254' 1255' 1256' 1257' 1258' 1259' 1260' 1261' 1262' 1263' 1264' 1265' 1266' 1267' 1268' 1269' 1270' 1271' 1272' 1273' 1274' 1275' 1276' 1277' 1278' 1279' 1280' 1281' 1282' 1283' 1284' 1285' 1286' 1287' 1288' 1289' 1290' 1291' 1292' 1293' 1294' 1295' 1296' 1297' 1298' 1299' 1300' 1301' 1302' 1303' 1304' 1305' 1306' 1307' 1308' 1309' 1310' 1311' 1312' 1313' 1314' 1315' 1316' 1317' 1318' 1319' 1320' 1321' 1322' 1323' 1324' 1325' 1326' 1327' 1328' 1329' 1330' 1331' 1332' 1333' 1334' 1335' 1336' 1337' 1338' 1339' 1340' 1341' 1342' 1343' 1344' 1345' 1346' 1347' 1348' 1349' 1350' 1351' 1352' 1353' 1354' 1355' 1356' 1357' 1358' 1359' 1360' 1361' 1362' 1363' 1364' 1365' 1366' 1367' 1368' 1369' 1370' 1371' 1372' 1373' 1374' 1375' 1376' 1377' 1378' 1379' 1380' 1381' 1382' 1383' 1384' 1385' 1386' 1387' 1388' 1389' 1390' 1391' 1392' 1393' 1394' 1395' 1396' 1397' 1398' 1399' 1400' 1401' 1402' 1403' 1404' 1405' 1406' 1407' 1408' 1409' 1410' 1411' 1412' 1413' 1414' 1415' 1416' 1417' 1418' 1419' 1420' 1421' 1422' 1423' 1424' 1425' 1426' 1427' 1428' 1429' 1430' 1431' 1432' 1433' 1434' 1435' 1436' 1437' 1438' 1439' 1440' 1441' 1442' 1443' 1444' 1445' 1446' 1447' 1448' 1449' 1450' 1451' 1452' 1453' 1454' 1455' 1456' 1457' 1458' 1459' 1460' 1461' 1462' 1463' 1464' 1465' 1466' 1467' 1468' 1469' 1470' 1471' 1472' 1473' 1474' 1475' 1476' 1477' 1478' 1479' 1480' 1481' 1482' 1483' 1484' 1485' 1486' 1487' 1488' 1489' 1490' 1491' 1492' 1493' 1494' 1495' 1496' 1497' 1498' 1499' 1500' 1501' 1502' 1503' 1504' 1505' 1506' 1507' 1508' 1509' 1510' 1511' 1512' 1513' 1514' 1515' 1516' 1517' 1518' 1519' 1520' 1521' 1522' 1523' 1524' 1525' 1526' 1527' 1528' 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1695' 1696' 1697' 1698' 1699' 1700' 1701' 1702' 1703' 1704' 1705' 1706' 1707' 1708' 1709' 1710' 1711' 1712' 1713' 1714' 1715' 1716' 1717' 1718' 1719' 1720' 1721' 1722' 1723' 1724' 1725' 1726' 1727' 1728' 1729' 1730' 1731' 1732' 1733' 1734' 1735' 1736' 1737' 1738' 1739' 1740' 1741' 1742' 1743' 1744' 1745' 1746' 1747' 1748' 1749' 1750' 1751' 1752' 1753' 1754' 1755' 1756' 1757' 1758' 1759' 1760' 1761' 1762' 1763' 1764' 1765' 1766' 1767' 1768' 1769' 1770' 1771' 1772' 1773' 1774' 1775' 1776' 1777' 1778' 1779' 1780' 1781' 1782' 1783' 1784' 1785' 1786' 1787' 1788' 1789' 1790' 1791' 1792' 1793' 1794' 1795' 1796' 1797' 1798' 1799' 1800' 1801' 1802' 1803' 1804' 1805' 1806' 1807' 1808' 1809' 1810' 1811' 1812' 1813' 1814' 1815' 1816' 1817' 1818' 1819' 1820' 1821' 1822' 1823' 1824' 1825' 1826' 1827' 1828' 1829' 1830' 1831' 1832' 1833' 1834' 1835' 1836' 1837' 1838' 1839' 1840' 1841' 1842' 1843' 1844' 1845' 1846' 1847' 1848' 1849' 1850' 1851' 1852' 1853' 1854' 1855' 1856' 1857' 1858' 1859' 1860' 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MEMORANDA.

South Yarmouth, Mass.

BILLS PAYABLE. *August 17.*

Date.	NAME.	Dollars.	Cts.
1	Chickadee 18' 19'		
2	Black & White Creeper 17' ⁱⁿ 19 ²		
3	Usnea Warbler 17' sw		
4	Prairie " 17 ad. feeding young one today 19'		
5	Maryland Yellowthroat = 17' hd 19 ²		
6	Cedar bird 16 ^{hd} 17 ^{hd} .		
7	Barn Swallow 16+ 17 2+		
8	Chiffy 17+ 19 sw		
9	Song Sparrow 16' at 17' 18' 19'		
10	Towhee 17 ^{29 at} _{Swan P}		
11	Crow 17 sw.		
12	Jay 17 ^{2 near 5' at} _{Swan P} 18 ^{hd} . 19 ²		
13	Flicker 17 ^{hd}		
14	Wood Pewee 17' Swan Pond. 19 6+ scattered widely mostly in fresh pine woods.		
15	Swift 16 ^{hd} at 17' sw.		
16	Hummer 16 ^{wt} . 17 2 wt. 18 2 wt. 19 2 wt.		
17	Kingfisher 17 ^{at} Swan P. 19 ^{at} Harris Pond.		
18	Green Heron 17''		
19	Spotted Sandpiper 17 ^{3 at} _{Swan P}		
20	Common Tern 17 ^{Sw} _{Swan P} 18 ^{Sw} 19 ^{do}		
21	Loughing Lark 17 ^{ad} _{Swan P}		
22	Herring " 17' do.		
23	Meadow Lark 16' { 26 Carolina Dove 19 ²⁸		
24	House Sparrow 17 ²⁺ { 27 Robins 19 ²		
25	Ovenbird 19 ² { 28 Rock eggs 19'		
26	Starling 19' {		

Cottuit Narrows. August 19-21

BILLS PAYABLE.

Date.	NAME.	Dollars.	Cts.
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Robin 20 Sw.

Pine Warbler 20² & 20¹

Maryland Yellow-Throat 20'

Cat bird 20'

Chipping 20 Sw.

Crow 20 many close about houses just after business closing on board house 21 dr

Dusky W. 20'

Sweet 20³ over Eagle Pond.

Night Heron 21 hr. similar after midnight

Great Blue " 29' 20 Sw. after midnight 21 at night

Laughing Gull 20 Sw. had in early morning 21 dr

Common Tern 21-22 a few on wing, narrow

BILLS RECEIVABLE.

Date.	NAME.	Dollars.	Cts.
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BILLS RECEIVABLE.

Date.	NAME.	Dollars.	Cts.
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ADDRESSES.

NAME.	R. A. Gilbert
STREET, No.	66 Inman
CITY.	Cambridge
TELEPHONE No.	5335 - m. 5312 m.
NAME.	Mrs. Charles E. Little
STREET, No.	(Rebecca Parker (Sargent) Little)
CITY.	Merrimac, Mass.
TELEPHONE No.	
NAME.	Mr & Mrs. D. W. Gould
STREET, No.	(Clara Augusta (Sargent) Gould)
CITY.	(Daniel Warren Gould) Merrimac, Mass.
TELEPHONE No.	
NAME.	Charles Amos Hayes
STREET, No.	
CITY.	Merrimac, Mass.
TELEPHONE No.	
NAME.	Percy G. F. Harris
STREET, No.	Oxford
CITY.	Cambridge
TELEPHONE No.	3284 - W. - Percy's boarding house 6652 - W. - " - " - Merrimac (W. 13) 700
NAME.	
STREET, No.	
CITY.	
TELEPHONE No.	

ADDRESSES.

NAME. *H. P. Renshaw*
 STREET, No. _____
 CITY. *Noroton, Conn.*
 TELEPHONE No. _____

NAME. *R. H. Dana*
 STREET, No. *10 Post Office Square*
 CITY. *Boston*
 TELEPHONE No. _____

NAME. *Dr. Georg Bonner Farnsworth*
 STREET, No. *25-40 Arlington Road*
 CITY. *Station E. Cleveland,*
 TELEPHONE No. _____

NAME. *Ernest J. Seton*
 STREET, No. *512 71st Ave.*
 CITY. *New York.*
 TELEPHONE No. _____

NAME. *Charles L. Whittle*
 STREET, No. *50 Congress*
 CITY. *Boston*
 TELEPHONE No. *6994*

NAME. *Evelyn Purdie*
 STREET, No. *194 Clarendon*
 CITY. *Boston*
 TELEPHONE No. _____

Business

ADDRESSES.

NAME. *Mrs. Lora Simbolotti*
 STREET, No. *84 St. Botolph St.*
 CITY. *Boston (Type Copier recommended by Miss Piper)*
 TELEPHONE No. _____

NAME. *H. D. Van der Wyk*
 STREET, No. *(Agent who installs*
 CITY. *Waltham Standard Gasoline Tank*
 TELEPHONE No. *" 142-162*

NAME. *W. J. Day & Co*
 STREET, No. *48 Portland St.*
 CITY. *Boston*
 TELEPHONE No. *2183 Haymarket*

*Best layers of
oak floors.*

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 CITY. _____
 TELEPHONE No. _____

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 CITY. _____
 TELEPHONE No. _____

NAME. _____
 STREET, No. _____
 CITY. _____
 TELEPHONE No. _____

ADDRESSES.

NAME. William J. Brewster
 STREET, No. Herberts Home
 CITY. Hartsdale, New York
 TELEPHONE No.

NAME. Mrs. Mrs. Barbara (Vera Kate Koff)
 STREET, No. Cambridge Road
 CITY. Ann Arbor, Michigan
 TELEPHONE No.

NAME. C. A. Robbins
 STREET, No.
 CITY. Ouse, Mass.
 TELEPHONE No.

NAME. Mrs. Thomas S. Farley
 STREET, No. 44 Winderome St
 CITY. East Cleveland, Ohio
 TELEPHONE No.

NAME. F. H. Allen
 STREET, No. 215 Lea Grange St
 CITY. West Roxbury
 TELEPHONE No.

NAME.
 STREET, No.
 CITY.
 TELEPHONE No.

Foreign

ADDRESSES.

NAME. George D. Jefferson
 STREET, No. Marble Arch Hotel, Oxford St
 CITY. 47 Bryanston St
 TELEPHONE No.

NAME. Arthur F. Estabrook
 STREET, No. 1/2 American Colonial Bank
 CITY. San Juan, Porto Rico
 TELEPHONE No.

NAME.
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ADDRESSES.

NAME.

Walter M. Brackett

STREET, No. 154 Boylston St. (Studio)

CITY.

Boston.

TELEPHONE No.

NAME.

Percy W. Bidwell

STREET, No. Canner St.

CITY.

New Haven

TELEPHONE No.

NAME.

Mrs. Haan (Brookline Bird Club)

STREET, No.

CITY.

TELEPHONE No.

NAME.

Mrs. Willard Barbour (Vera Keith-Koff.)

STREET, No. 1945 Cambridge Road

CITY.

Ann Arbor, Michigan

TELEPHONE No.

NAME.

Edward C. Lewis

STREET, No. 1 Avon St.

CITY.

Wakfield, Mass.

TELEPHONE No.

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Leopard moth work etc.
Recommended by
R. N. Deane.

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TELEPHONE No.

Victims of my gun.

Gray Squirrels.

May or June. 2 shot near barn

September 11. 1 " " Barrett Spring

" 13. 1 " " foot of Lane.

" 18. 1 " " " "

" " 1 " " in Pulpit R. woods.

" 20. 1 " " in oaks by peach orch.

" 25. 1 " " in dooryard at rear

" 30. 1 " " Cedar Park

October 3. 1 " " oaks by peach orch.

" 7. 1 " " Hickory near barn.

" 17. 1 " " birch, Cedar Park

" 24. 1 " " Bungabrows.

Partridge

October 12. 1 shot in Berry Paddock (sitting)

" 14. 1 juv " " Cedar Park (")

" 21 ♀ " " Birch Field (flying)

" 27 ♂ " " " " "

November 9 ♀ " " hemlock, Pulpit R.

Pheasant

October 28. ♂ ad. shot in Berry Paddock (flying)

November 10 ♀ juv " " " " "

Fish - Oct 7.

Bats in shed loft, Concord.

CRICKET THERMOMETERS.

My little cousin and I used to listen every evening to the chirping of the crickets, writes a *Companion* contributor, and we found that the hotter it was the faster they chirped, and the cooler it was the slower they chirped, which shows very well that hot weather agrees with crickets and makes them more lively. We thought we could use them for a thermometer—a very useful device if we were ever cast away on a desert island, and did not happen to save a thermometer from the wreck. *(Yonah's Companion Aug. - 1893)*

We counted every evening the number of times the crickets chirped in a minute, and wrote it down on a piece of paper, and put beside it the height of the thermometer, till pretty soon we had formulated a rule by which to find the temperature. If a caller said, "I wonder how hot it is," I would take out my watch, count the chirps of the crickets for a minute, and then tell my visitor, much to his surprise, the exact degree of temperature.

Our rule was this. When the crickets chirp one hundred times a minute, the thermometer will read sixty-four degrees, and for every five additional chirps one degree is to be added.

Thus one evening in August I found that the crickets were chirping one hundred and thirty times a minute. One hundred chirps is equal to sixty-four degrees; in thirty chirps more there are six fives, so I added six degrees to sixty-four, which made seventy degrees.

My cousin and I tried it a good many times, and compared our cricket thermometer with a real thermometer, and always found the crickets

exactly right. It is like counting a sick person's pulse, and is good practice for boys, and perhaps girls, too, who hope to be doctors.

There are many different kinds of crickets, and perhaps the Western crickets are more lively than the ones we have here near the old city of Boston, so each person will have to make his own rule.

The cricket that we made use of is a very pretty pale-green fellow that lives in flowering bushes and vines, and especially delights in honeysuckles. In fact, his name, which is *Ecanthus*, means a dweller among flowers. He is far superior in looks to the plain black cricket that lives under stones and does not begin to chirp until summer is nearly gone.

My cousin and I were very anxious to see our little green friends while they were chirping. At first it was hard to tell where the sounds came from, but soon we saw two or three crickets with their great gauzy wing-covers raised high and rubbing together, as if the wing-covers were knives they were sharpening.

Every time they rub the wing-covers together the sound is made, for it is not made, as we might suppose, by their mouths.

